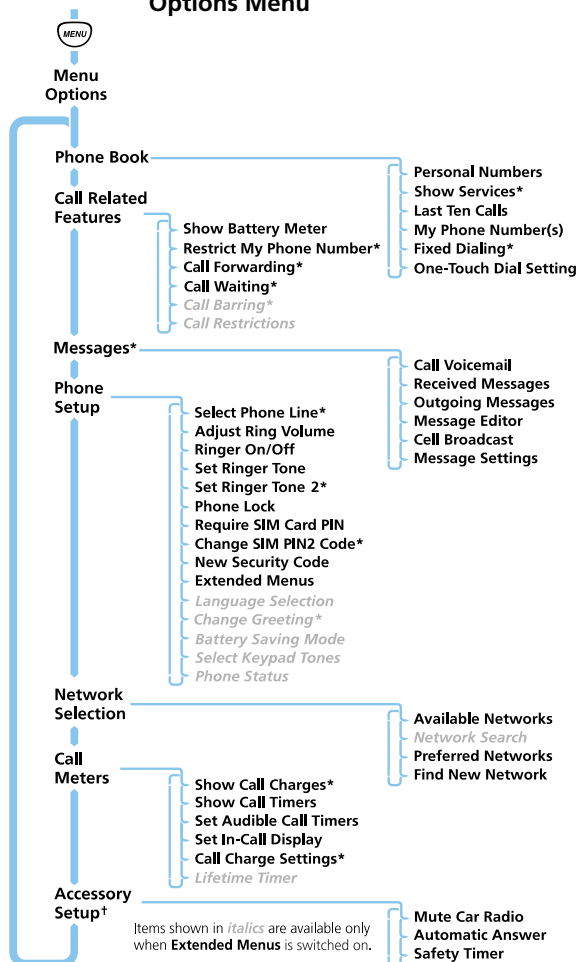


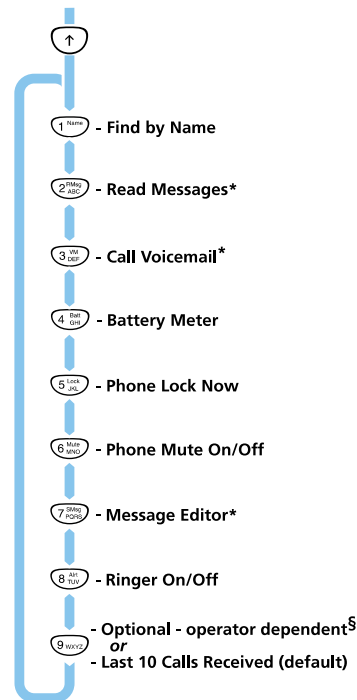
Options Menu



* Network dependent feature.

† The **Accessory Setup** option is available only when a car kit is installed.

Quick Access Menu



Menu Navigation



[§] Contact your Service Provider for details.

* Network dependent feature.

Quick Reference

Special Keys

- PWR** Turns phone on and off.
- OK** Accepts call or selects menu option or setting.
- STO** Stores numbers to phone or SIM memory.
- RCL** Recalls numbers from phone or SIM memory.
- ↑** Accesses the Quick Access features.
- MENU** Enters the Options Menu.
- C** Clears numbers or rejects call, setting, or option.
- ←* →#→** Scroll through the menu features.

Making a Call

Enter **Phone No.** **OK**.

Receiving a Call

Press **OK**.

Ending a Call

Press **OK**.

Making an Emergency Call

Enter **9** **WXYZ** **1** **Name** **1** **Name** **OK**.

Redialing the Last Number Called

- 1 Press **OK** to display the last number dialed.
- 2 Press **OK** to call the number.

One-Touch Dialing

Press and hold the appropriate digit key **1** **Name** to **9** **WXYZ**.

Storing Numbers in the Phone Book

- 1 Press **STO** to add an entry.
- 2 Press **OK** to select phone memory or **→#→** **OK** to select SIM card memory.
- 3 Enter **Phone No.**, press **OK**, then **Name**, press **OK**, then **Location** and press **OK**.

Dialing Phone Book Numbers

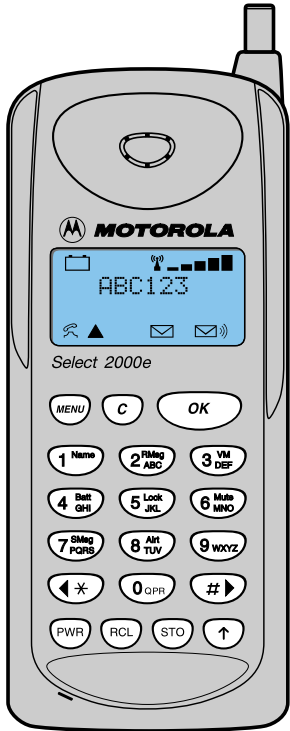
Press **RCL** **Location** **OK**.

Quick Access Features

- ↑** **1** **Name** *Find by Name* - prompts you to **Enter Name**, then searches internal Phone Book for a matching entry.
- ↑** **2** **Ring** **REC** *Read Messages* - displays your newest message.
- ↑** **3** **Call** **DISP** *Call Voicemail* - dials your voicemail number.
- ↑** **4** **Batt** **DISP** *Battery Meter* - displays the battery charge level.
- ↑** **5** **Lock** **DISP** *Phone Lock Now* - prompts you to confirm, then locks your phone.
- ↑** **6** **Mute** **DISP** *Phone Mute On/Off* - allows you to mute the microphone while in a call.
- ↑** **7** **Msgs** **DISP** *Message Editor* - allows you to create, edit, send, or store outgoing messages.
- ↑** **8** **Ringer** **DISP** *Ringer On/Off* - switches ringer on or off.
- ↑** **9** **WXYZ** This function may vary depending on your Service Provider. The default option is listed below.
 - Last 10 Calls Received* - allows you to view and dial numbers in your Last 10 Calls Received list.



Introduction



Congratulations on your purchase of a PCS telephone from *Motorola*, a world leader in wireless communications.

All *Motorola* PCS telephones are manufactured to exacting specifications and world-class quality standards and are designed to withstand the rigors of the real world. Our commitment to Total Customer Satisfaction and over sixty five years of experience in personal communications mean you can depend upon the quality of this *Motorola* product.

This telephone incorporates our **Personality**[™] interface. Unique to *Motorola*, the **Personality**[™] interface makes PCS communications easier by guiding you step-by-step through the features with simple choices. The **Personality**[™] features, identified in this manual with an **OK** symbol, also allow you to personalize the way you use your phone. You can choose different ringer tones, set call meters to alert you during calls at times you specify—even organize your phone's menu system to suit your use of it.

This PCS telephone has been designed for use with PCS 1900 networks. By using digital communications methods, your phone provides a number of advantages:

- Superior speech quality is attained with much less of the usual background noises and interference.
- Your conversation is encrypted for security. Encryption helps conversations from being eavesdropped on by scanning equipment.

Your subscriber number is not contained within the phone as with other systems. Instead, a 'Smart Card' known as a SIM (Subscriber Identity Module) can be supplied by your Service Provider. All call billing is made to the subscriber number on the card whether it is used in this or any other PCS handset unit.

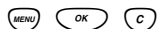
! *Before you use your phone, please see the 'Your Battery' section for important information on charging a new battery.*

Understanding this Manual

Most of your phone's options are accessed through its simple menu system. Before moving on to *Using the Options Menu*, turn to *Menu Navigation* to learn the basics of navigating the menu system. When the manual describes your phone's features, it will be assumed that you are familiar with the menu system.

Key Presses

Your phone's keys are represented in this manual with symbols that make it easy for you to find and use the corresponding keys on your phone. A sequence of key presses may be shown as follows:



This sequence indicates that you should first press and release the  key followed by the  key and then the  key.

Multiple Key Presses

Some symbols will appear in this manual that are not keys on the phone. They represent multiple key presses. For example:

Phone No. - Enter the required telephone number.

PIN Code - Enter your Personal Identification Number.

Unlock Code - Enter your unlock code.

Location - Enter the Phone Book location number.

Prompts and Messages

When you press a key, your phone will display either an easy-to-understand prompt that guides you to the next step or a simple message that confirms your action is complete. Prompts and messages are represented in this manual in LCD style. For example:

Enter PIN or Completed.

Other Symbols

You will find the following symbols used throughout this manual:

 A Note provides additional information about the option/item.

 A Caution contains important information about the efficient and/or safe usage of your phone.

 This symbol indicates that the feature is a **Personality™** feature that can be customized to meet your requirements.

 This symbol indicates a shortcut to access the feature.

Contents

Safety

Important information for the efficient and safe operation of your phone 5

About Your Phone, Battery and SIM Card

Introduces your phone, explains how to charge and maintain batteries, and describes SIM card functionality 9

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Using the Options Menu

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Hand-Held Portable PCS Telephone

IMPORTANT

Read this information before using your PCS Telephone.

Exposure To Radio Frequency Signals

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996 the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992)¹

NCRP Report 86 (1986)*

ICNIRP (1996)*

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards).

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Phone Operation

NORMAL POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

TIPS ON EFFICIENT OPERATION: For your phone to operate most efficiently:

- Extend your antenna fully.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Batteries

Caution: All batteries can cause property damage, injury or burns if a conductive material, such as jewelry, keys or beaded chains, touches exposed terminals. The material may complete an electrical circuit and become quite hot. To protect against such unwanted current drain, exercise care in handling any charged battery, particularly when placing it inside your pocket, purse or other container with metal objects. Your batteries are packed with a protective battery cover. When the battery is detached from the phone, please use this cover for storing your battery when not in use.



1. American National Standard Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection

Driving



Check the laws and regulations on the use of PCS and cellular telephones in the areas where you drive. Always obey them. Also, if using the phone while driving, please:

- Give full attention to driving -- driving safely is your first responsibility;
- Use hands-free operation, if available;
- Pull off the road and park before making or answering a call if driving conditions so require.

Electronic Devices

Most modern electronic equipment is shielded from RF energy. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned **ON**;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone **OFF** immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone **OFF** in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone **OFF** in any facility where posted notices so require.

Aircraft

FCC regulations prohibit using your phone while in the air.

Switch **OFF** your phone before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your unit **OFF** when in a “blasting area” or in areas posted: “Turn off two-way radio. ” Obey all signs and instructions.

Potentially Explosive Atmospheres

Turn your phone **OFF** when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

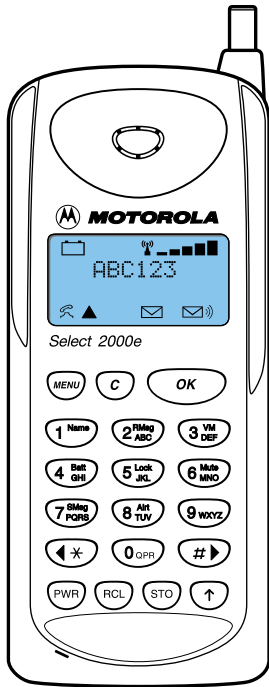
For Vehicles Equipped with an Air Bag

An air bag inflates with great force. **DO NOT** place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.





About Your Phone, Battery, and SIM Card



Special Keys



Turns the phone on and off.



Accepts calls or selects menu settings or options.



Stores numbers to phone or SIM memory.



Recalls numbers from phone or SIM memory.



Accesses the Quick Access features.



Enters the Options Menu.



Clears numbers or rejects calls, settings, or options.

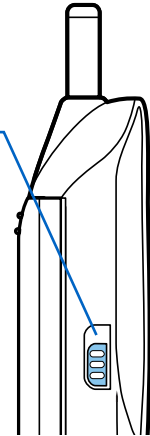


Scroll through the menu features.



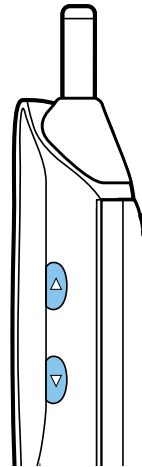
SIM Card Release

The SIM card release button is on the left hand side of your phone. To remove the SIM card, slide the release button down toward the base of the phone and pull the SIM card out.

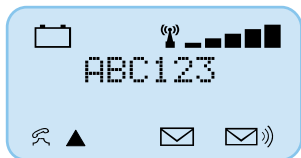


Volume Buttons

The buttons on the right hand side of your phone adjust the earpiece, keypad tone, and ringer volume levels. Press the upper button to increase the volume and the lower button to decrease it. Either volume key can also be used to silence the ringer during an incoming call alert.



The Display



The Liquid Crystal Display (LCD) on your phone can display up to two rows of twelve alphanumeric characters.

ABC123 Characters are used to display messages and telephone numbers.

Around the perimeter of the display, you will also see the following informative indicators:



Battery Charge Indicator Flashes when the battery level is low or the battery is charging.



Signal Strength The more segments displayed in the bar graph, the better the signal strength.



/U

In Use Displayed when a call is in progress.



/Rm

Roam Displayed when you are registered on a system other than your home system.



Short Message Service* Displayed when the phone has received a message. The symbol will flash when your message memory is full.



Voicemail* Displayed when you have messages in your voicemail box.

* Network Dependent feature

Low Temperature Use

The liquid crystal display screen used in your phone will behave differently at extremely low temperatures. You may notice that the display responds slowly to key presses; this is to be expected and does not affect the phone operation in any way.

Low Battery Warning

When the battery level is low and only a few minutes of talk-time remain, your phone will alert you in three ways:

- A warning signal (two double beeps) will sound
- The battery symbol  will begin to flash slowly
- **Low Battery** will be displayed

When the battery is completely discharged, your phone will turn off. Simply install a fresh battery or recharge the exhausted battery to begin using your phone again.

Care and Storage

- Never leave your phone or battery in extreme temperatures (over 60°C), for example, behind glass in very hot, direct sunlight.
- To clean your phone, use a moistened or antistatic cloth. Do **not** use a dry or electrostatically charged cloth.
- To prolong the life of your batteries, avoid exposing them to temperatures below -10°C (14°F) or above 45°C (113°F).

 *Please note that exposing Lithium Ion batteries to prolonged elevated temperatures, such as those that can develop in an enclosed vehicle, may permanently degrade battery performance.*

Your Battery

Charging a New Battery

To ensure maximum battery performance, it is recommended that a new battery (or battery that has not been used for several months) be charged for at least 14 hours before use.

- 🔋 A new battery will require several full charge/discharge cycles in order to achieve its optimum performance.
- 🔋 A new battery, or a battery that has not been used for several months, may cause a premature fully charged indication on the charger. Ignore this indication and let the battery charge for several more hours, remove then re-insert the battery into the charger, and charge for up to 14 hours.

After this initial charge, you can recharge your battery normally, using the phone's rapid travel charger.

🔋 See the chart on the following page for charge times.

Important Battery Information

To ensure that you enjoy maximum battery life and use your battery to it's fullest capacity:

- Always use *Motorola* approved battery chargers.
- For the best results, Li-Ion batteries should be charged using Motorola E•P Chargers.
- The battery should be at or near room temperature when charging.
- When not in use, store your battery uncharged in a cool, dark and dry place.

⚠️ Do not leave a NiCd or NiMH battery connected to any charger for longer than 24 hours.

Battery Performance and Maintenance

Your phone may have come with one or more of the following battery types. The talk-time and standby-times given are typical performance figures:

Battery Type ^a	Talk-Time up to:	Standby-Time ^b up to:	Part Number
AAA 500 mAh NiMH	200 min.	43-52 hours	SNN 4604
Slim 560 mAh NiMH	224 min.	48-59 hours	SNN 4615
Slim 400 mAh Li-Ion	163 min.	40-49 hours	SNN 4555
Extra Capacity 1300 mAh NiMH	8.5 hours	4.5-5.5 days	SNN 4258
Extra Capacity 1200 mAh Li-Ion	9 hours	5-6 days	SNN 4459

a. The higher voltage of Li-Ion batteries, as compared to NiMH and NiCd, results in greater efficiencies for talk- and standby-times with this Motorola handset.

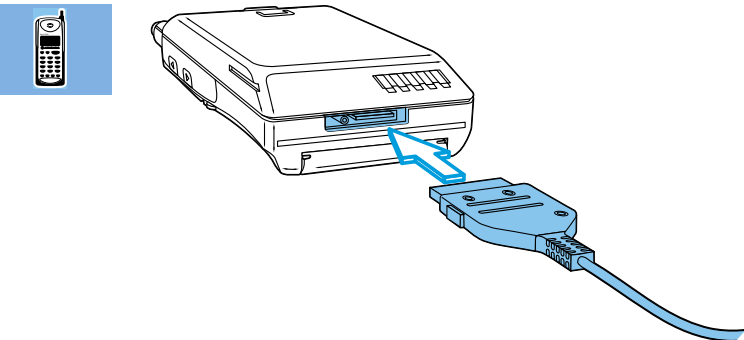
b. All times are approximate and depend on network signal strength and phone features selected.

- Best battery performance will be achieved when you regularly charge and discharge batteries as instructed in this manual.
- Battery performance is greatly affected by the coverage of the PCS network.
- Set [Battery Saving Mode](#) to On (see *Phone Setup Menu*) and/or [Frequency of Search](#) to [Slow Search](#) or [Medium Search](#) (see *Network Selection Menu*) to extend the life of the battery between charges.
- Keep the antenna fully extended whenever possible to ensure maximum signal strength.
- Expected life of a battery is about 300-500 charge/discharge cycles.
- If left unused, a fully charged battery will discharge itself at about 1-2% per day, on average.



Charging Your Battery

Your travel charger can be connected directly to your phone for convenient rapid battery charging.



- 1 Attach the battery to your phone.
- 2 Connect the travel charger to the base of your phone (see diagram).
- 3 The phone automatically enters charging mode when the travel charger is attached. The  symbol flashes while the battery is being charged.

The charging status will be continuously displayed when the phone is off. Press    to display charging status while the phone is on.

Rapid Travel Charger Times

When the battery is about 95% charged, the message **Fast Charge Complete** will be displayed and the  symbol will stop flashing.

 If the display is completely blank when the travel charger is connected, the battery is not being charged.

Typical charge times for achieving a 95% charge level using the rapid travel charger are:

Battery Type	Charge Time	Part Number
AAA 500 mAh NiMH	45 minutes	SNN 4604
Slim 560 mAh NiMH	55 minutes	SNN 4615
Slim 400 mAh Li-Ion	4 hours	SNN 4555
Extra Capacity 1300 mAh NiMH	2 hours	SNN 4258
Extra Capacity 1200 mAh Li-Ion	4 hours	SNN 4459

 *The battery will continue to slow charge until fully charged. Do not leave the battery connected to the travel charger for more than 24 hours.*

Desktop Charging

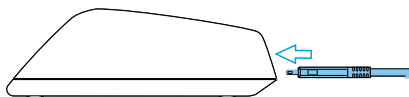
Typical charge times for achieving a 95% charge level using the optional E•P Desktop Charger accessory are:

Battery Type	Charge Time	Part Number
AAA 500 mAh NiMH	65 minutes	SNN 4604
Slim 560 mAh NiMH	1.5 hours	SNN 4615
Slim 400 mAh Li-Ion	4 hours	SNN 4555
Extra Capacity 1300 mAh NiMH	1.5 hours	SNN 4258
Extra Capacity 1200 mAh Li-Ion	4 hours	SNN 4459

 Once the battery charge level has reached 95%, the battery will slow charge until fully charged.

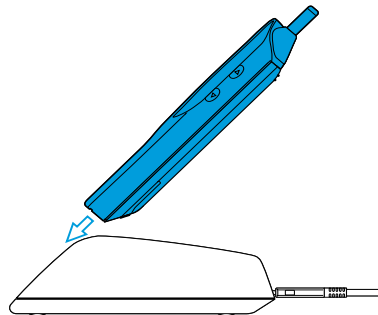
Desktop Charger Power Supply

The E•P Desktop Charger uses the travel charger as its wall adapter. The travel charger can be plugged into a 110V AC electrical outlet and the lead then plugged into the socket at the rear of the desktop charger.



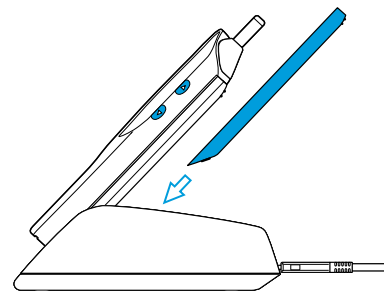
Inserting Your Phone into the Charger

Guide your phone, parallel to the long angled edge of the charger, into the front slot. The lower indicator will light up when the phone is inserted in the charger.



Inserting a Spare Battery into the Charger

If you wish to charge a spare battery while the battery attached to your phone is charging, slide the spare battery into the rear slot, at the angle shown, until the upper indicator lights up.



 It is normal for batteries to become warm during charging.

Charger Indicators

The two sets of indicators on the front of the E•P Desktop Charger show the charging status. The lower indicators display the status for the front slot, while the upper indicators show charge status for the rear slot.

When both slots are charging batteries, the front slot will always charge first.

Each indicator consists of three colored LEDs:



As explained on the bottom of your E•P Desktop Charger, the approximate charge level is indicated as follows:



0% - 10%



10% - 50%



50% - 90%



90% - 95%



95%-100%



A rapid flashing of a red indicator shows a faulty battery that will not charge.



A rapid flashing of a yellow indicator shows the battery is out of temperature or voltage range. Rapid charge will automatically begin or continue when the battery is in range.



A slow flashing of the upper indicators shows that the front slot has priority. Charging will not begin until the front slot is 90% charged.

Using Your Phone While Charging

Your phone can be left on in standby mode while charging. Remember that talking on the phone requires energy, so charging will take longer if you make or receive calls.

 If the phone is on or in a call while charging, you can disconnect or remove it from the charger without losing power or the active call.

Battery Disposal

To dispose of batteries, check with your local recycling center for a battery recycler near you.

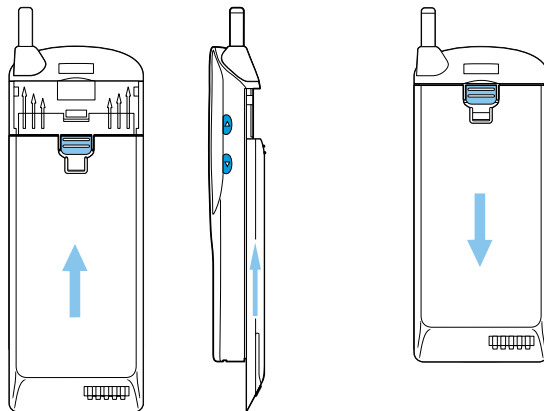
 **Never dispose of batteries in the fire.**

Equipment Care

Your Motorola PCS radiotelephone is designed for superior durability under normal use conditions. Protect your PCS phone from water damage that could result from spills or excessive exposure to rain. Never submerge your PCS telephone.

Installing Your Battery

Place the battery onto the back of the phone just below the marked arrow indicators. Then slide the battery upwards on the phone's runners, until it locks into place.



 **Do not slide the battery on from the bottom of the phone.** Doing so may cause damage to the phone's battery contacts.

Removing Your Battery

Press the release catch inwards and simultaneously slide the battery downwards, until it stops. Then pull the battery away from the rear of the phone.

 **Switch off your phone before removing the battery.** Failure to do so may damage your phone memory.

Your SIM Card



Your credit card sized SIM (Subscriber Identity Module) card was supplied by your Service Provider when you bought your phone. You will not be able to make or receive calls if you do not have a SIM card inserted in your phone.

 Some networks allow you to make 911 or 112 emergency calls without a SIM card inserted.

The SIM card is a 'Smart Card' that contains your phone number, service details, and memory for storing Phone Book numbers and messages. You can therefore use your SIM card in someone else's PCS phone and you will be charged for the call.

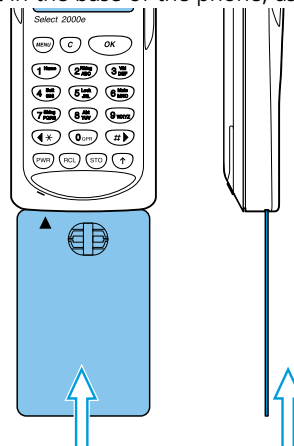
Like a bank or credit card, you should keep your SIM card secure. Do not bend or scratch your card and avoid exposure to static electricity or water.

 The use of a plug-in SIM card or small SIM card adapter is not covered under warranty.

 **Switch off your phone before inserting or removing the SIM card. Failure to do so may damage the memory on your SIM card.**

SIM Card Insertion

Switch off your phone by pressing the  key and insert the SIM card into the slot in the base of the phone, as shown.



If the SIM card is damaged or inserted incorrectly, [Check Card](#) may be displayed. Remove the SIM card, check that it is facing the right way, and then re-insert it into the phone.

If either of the [Bad Card See Supplier](#) or [Blocked See Supplier](#) messages are displayed, then you will need to contact your Service Provider.

SIM Card Removal

Switch off your phone and slide the release button toward the base of the phone. Pull the SIM card out.

Making and Receiving Phone Calls

Switching the Phone On and Off

Simply press **POWER** to switch the phone on or off. When the phone turns on, you will see a greeting message.

If you switch the phone on and there is no SIM card inserted, you will be asked to insert one. Once inserted, the phone will check that the SIM card is valid.

One of the following messages will then be displayed:

- **Enter PIN** - Enter the SIM card PIN code.
- **Enter Phone Unlock Code** - Enter the phone unlock code.
- **Searching...** The phone is searching for a suitable network. The name of the network found will then be displayed.

Entering Your SIM Card PIN Code

To enter the PIN code, press **Pin Code** **OK**.

As you type in each digit of the PIN code a * character will be displayed instead of the digit.

If you make a mistake, you can press and release **C** to remove the last digit, or press and hold **C** to remove the entire entry.

Press **OK** when you finish entering the PIN Code.

If the PIN Code entered is incorrect, you will see the warning message **Wrong PIN**, followed by **Enter PIN**.

! *If an incorrect PIN number is entered three times in a row, your phone will automatically lock-up and the **Blocked** message will be displayed. See 'Unlocking Your Phone' for details on unlocking your phone.*

You can easily change the PIN Code. See 'Change SIM PIN Code' in *Phone Setup Menu* for more information.

OK Entering Your Phone Unlock Code

If your phone is locked, you will see **Enter Phone Unlock Code**. Enter your unlock code by pressing **Unlock Code** **OK**.

Your phone unlock code is a four-digit number which is set at manufacture to **1234**. The code can be changed. See 'Change Unlock Code' in *Phone Setup Menu* for more details.

If you forget your phone unlock code, press **MENU** repeatedly until the display reads **Change Unlock Code**. Press **OK** **Security Code**, enter a new unlock code, and press **OK**.



Making a Phone Call

First make sure that the antenna is fully extended. Then switch the phone on and enter your unlock code if necessary.

It will not be possible to make a phone call unless you are in an area with PCS service. When a service has been found, a series of rising bars, , will show the signal strength.

You can make phone calls with any of the following methods:

- Enter the number with the digit keys then press .
- Use automatic redial.
- Redial the last number called.
- One-Touch Dial a Phone Book entry.
- Recall a Phone Book entry using  or the Options Menu.
- Call an embedded number in a message.

 Your phone's internal Phone Book can be used to store names and telephone numbers. See the Phone Book Menu for further details.

Digit Keys

You can dial the number with the digit keys just like your home phone. Then just press .

 If you make a mistake, press and release  to remove the last digit. Holding  down will remove the entire number.

The display will show **Calling** while your phone attempts the call. If the call is not answered, press  to end the attempt.

When the phone call is answered, the display will change to **Connected** for a few seconds, followed by **End Call?**.

To end your call, press .

Automatic Redial

If your call attempt does not succeed, the message **Redial?** will be displayed for five seconds. Press  to automatically redial the phone number.

When the call is connected, you will hear a short ring tone.

The maximum number of redial attempts is set by your Service Provider. If the phone call cannot be connected within this maximum, the message **Redial Failed** will be shown.

Redialing the Last Number Called

 When in standby mode, press  .

You can also retrieve then redial any of the last ten numbers called or received by using **Last Ten Calls** in *Phone Book Menu*.

OK One-Touch Dialing

The quickest way to place a call is to use One-Touch Dialing. You can One-Touch Dial any of the numbers stored in the first nine locations of your Phone Book. Just press and hold the appropriate digit key. For example, pressing and holding  will dial the phone number stored in location 2 of your Phone Book. See 'Fixed Dialing' to determine which memory locations are setup to be One-Touch Dialed.

 You do not need to press  to call the number.

OK Recalling Phone Book Numbers

Location

To recall a number from your phone's internal Phone Book:

- 1 Press  **Location**. For example    will retrieve the phone number stored in location 23 of your Phone Book.

If you don't know the exact location, you can enter a random location and then press  and  to scroll to the number you want.

- 2 Press  to call the number.

 Enter the full 3-digit location for maximum search speed (for example, 001 for location 1).

Calling an Embedded Number in a Message

Details on how to call a number embedded in a message are given in *Messages Menu*.

International Phone Calls

Press and hold  to make an international phone call. After a couple of seconds, the international dialing prefix + will appear in the display. This feature enables you to call from any country without knowing the local international access code.

Now enter the country code, followed by the phone number. The country code follows the conventional format, 49 for Germany, 44 for the UK, 46 for Sweden, etc.

Inserting Pauses Into Phone Numbers

When you call automated systems, a recorded message prompts you for PIN numbers, account numbers, etc. You can store these numbers in the same memory location as the automated system's access number. Just separate the numbers with "pauses"—special characters that tell your phone to wait before sending additional numbers—and store or dial the string in the same way you would other numbers.

To insert a pause, just press and hold  for a couple of seconds. You will see the pause symbol .

Pauses tell your phone to wait for three seconds before sending the next string of numbers. Your phone will not begin the three second delay for the first pause until the call is answered.

Pause - A Working Example.

If you had a tone-based voicemail system with an access number of 555-6911, a mailbox number of 1066, and a password of 2001, you could enter the following:

555691110662001 .

Your phone would dial 5556911. When the call was answered, your phone would wait three seconds before sending the tones for 1066 to select the mailbox.

After another pause of three seconds, your phone would send the tones for the password 2001.

Emergency Calls

When you dial 911, your phone will automatically send an emergency message to your PCS network. Keep in mind that you must be within a PCS network coverage area. If allowed by the Service Provider, the emergency message can be sent with or without a SIM card inserted into the phone and regardless of any security code settings.

Please check with your network operator for further information regarding emergency dialing services.

To dial the PCS emergency number, press      .

While the emergency call is being made and connected, the display will show **Emergency**.

 You may also be able to dial 112, the international emergency number, to place emergency calls.



Receiving a Phone Call

To receive a phone call:

- Your phone must be switched on and unlocked.
- You must be in an area with PCS service.
- Your Call Forwarding and Call Barring settings should not be set to forward or bar incoming calls.

When your phone receives a call, it will ring and the display will show **Answer?** If you have Caller Line Identification service, the caller's number will be displayed.

 As a CLI subscriber, if a phone number match is found in your Phone Book or SIM memory, the phone will display the name (or alpha entry) of the incoming caller.

 It is possible that the Phone Book lookup may take a few seconds, particularly if both the SIM and Phone Book have many entries.

Answering a Phone Call

Press  to answer a call. If the signal strength is weak, make sure that your antenna is fully extended.

If you do not wish to answer a call, you can either:

Press and release . If you have enabled **Detailed Forward - If Busy** in the Options Menu, the caller will be forwarded to the designated number. Otherwise the caller will hear a busy tone.

or

Press and hold . This will reject the incoming call. No Call Forwarding option will be offered.

If your phone rings and you do not answer it, **Unanswered Call** will be displayed.

Ending a Phone Call

To end a phone call, press .

Menu Navigation

Introduction to Menus

Many of your phone's options are accessed by using menus that have methods in common for selection, change and cancellation.

Please read this section carefully before moving on to the Options Menu sections. When you understand the common approach to menu navigation and how the menus are shown on the page, you will be able to access and change options with ease.

The menus described here can only be accessed when the phone is in standby mode. Menu operation is not possible when you are making or answering a phone call.

Entering the Menus

Two keys are used to access the two menus:

 enters the Options Menu

 enters the Quick Access Menu

Leaving the Menus

To exit any of the menus, you can either press and hold the  key or repeatedly press the  key. Both of these actions will return your phone to the standby mode.

 A quick way to leave the menus is to press  .

Menus and Sub-Menus

The menu system is a list with multiple levels. You begin in the upper menu and, by making choices, move down into the submenu. When you choose a submenu, you limit your access to the options found in that submenu. To return to the choices in the upper menu, you'll need to exit the submenu. Learning just a couple simple buttons will enable you to move freely through the entire menu system.

Moving to and Selecting a Menu Option

Press  to scroll forward and press  to scroll backwards through options on one level. Press  when you find the option you want.

Your phone will respond in one of three ways:

- Either a brief message will be displayed confirming an action, for example, *Completed*
- Or a prompt will be displayed requesting you to enter information, for example, *Enter PIN* or *Enter Name*
- Or the first option of a sub-menu will be displayed. You can select this option using the  key or browse through the other options using the  and  keys.

Press  to exit an option or submenu. If you exit a menu option, you'll return to the menu option select screen; if you exit a submenu, you'll return to the upper menu.

Menu Options with Security Codes

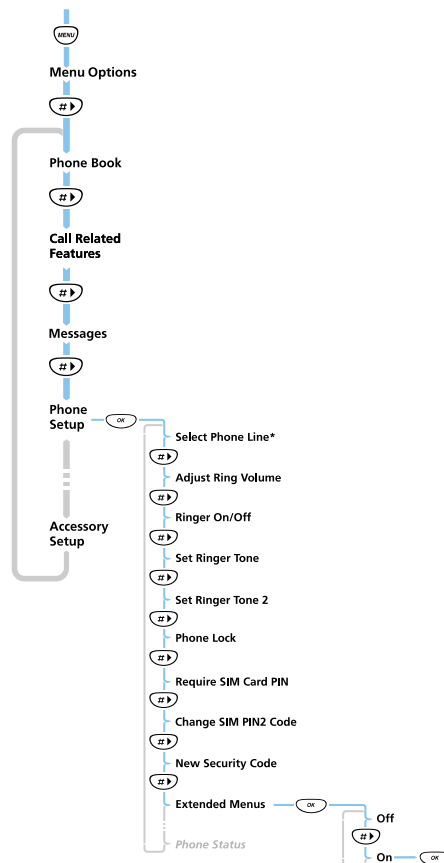
Some options require a security code to safeguard against misuse. Just enter the requested code to gain access to the protected option.



Menu Navigation - A Working Example

As an example of Menu Navigation, try the following sequence to turn **Extended Menus On** or **Off**:

- 1 Make sure the phone is in standby mode so the Options Menu is accessible.
 - 2 Press **MENU**. This will display **Menu Options**.
 - 3 Press **#>** repeatedly until **Phone Setup** appears.
 - 4 Press **OK** to select the sub-menu.
 - 5 Press **#>** repeatedly until **Extended Menu** appears.
 - 6 Press **OK** to select this item. You can now select between **On** or **Off**. The current setting will be shown with a **>** character.
 - 7 If **>** is next to **Off**, press **#>** and then **OK** to switch on the Extended Menu.
- or
- If **>** is next to **On**, press **C** to leave the setting as it is.



*Appears if Alternate Line Service is enabled by your Service Provider.

OK *Short, Extended, and Personalized Menus*

With the **Personality**TM interface, you can personalize your phone's menus by choosing which features you want readily available. Remove from the short menu the options that you don't use often, then turn Extended Menus **Off** to hide all but the short menu options. That way, the menu options that you frequently use will be all the more accessible.

The menu diagrams in this manual show the menu setup when you first receive your phone.

- The default short menu items are shown in the charts at the beginning of each section in **bold** type.
- The default extended menu items are shown in the charts at the beginning of each section in *italics*.

Moving an option from the extended menu to the short menu (or vice versa) is easy. Just locate the option that you want to move, then press and hold **OK** until a prompt appears offering the following choices:

For items in the short menu:

- Remove from Short
- Leave in Short

For items in the long (extended) menu:

- Add to Short
- Leave in Long

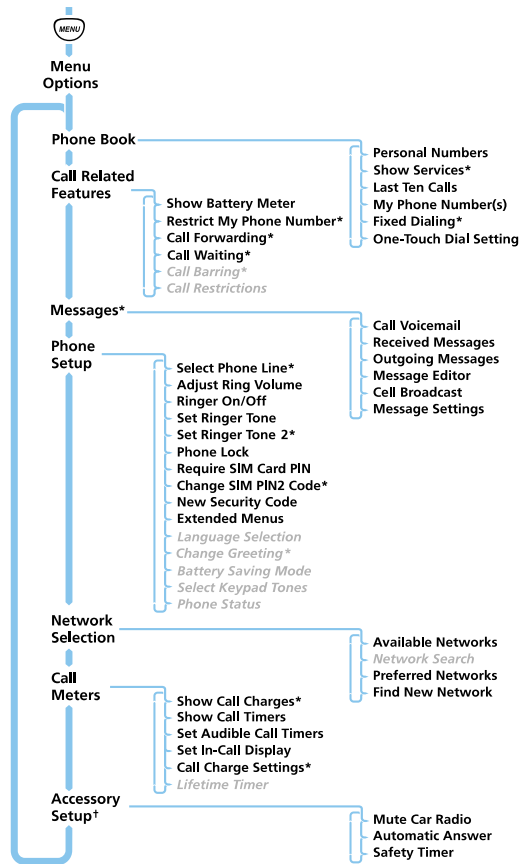
Select the option you want by pressing **OK** when it is displayed.

 *The settings for some menu options cannot be changed.*

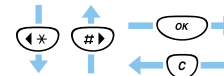




Using the Options Menu



Menu Navigation

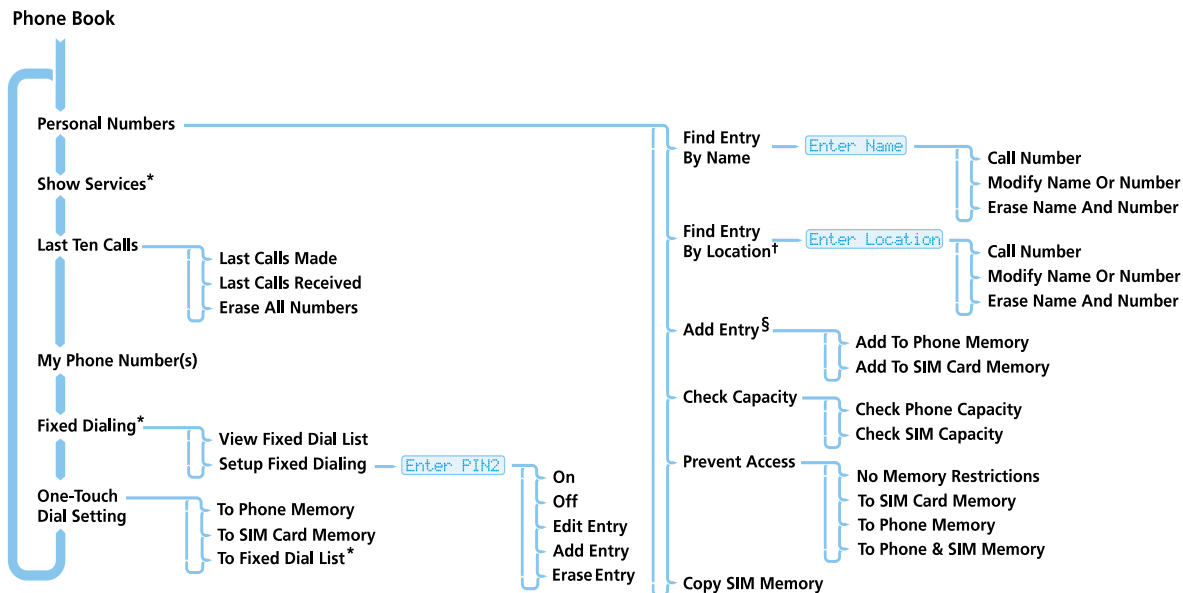


Items shown in *italics* are available only when **Extended Menus** is switched on.

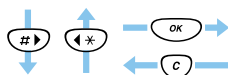
* Network dependent feature.

† The **Accessory Setup** option is available only when a car kit is installed.

Phone Book Menu



Menu Navigation



§ Pressing STO automatically routes you to the Add Entry sub-menu.

† Pressing RCL followed by an entry location allows you to quickly retrieve and dial a number.

* Network Dependent Feature.

The Phone Book Menu

You can store names along with telephone numbers in your phone's internal Phone Book. Each entry is stored in a memory location in the *Personal Numbers* list of your phone's or SIM card's memory. Once stored, a number can be quickly retrieved by either memory location or name.

Your phone's memory can store 100 entries and the SIM card can store up to 155 entries. The exact capacity of the SIM card depends on the type of SIM card issued by your Service Provider.

Each Phone Book entry is composed of the following:

- A telephone number of up to 32 digits in phone memory locations and up to 20 digits in SIM card locations
- A name of up to 16 characters in phone memory locations and up to 50 characters (but typically 10 or less) in SIM card locations
- A location number from 1 to 255

To access the Phone Book Menu, press  twice. You will see **Phone Book**. Press  to select, then use the navigation keys , ,  and  to select the Phone Book option you wish to use.

 You can also access many of the Phone Book functions with the Quick Access Menu or dedicated Store  and Recall  keys.

Postscripting

If you call many different numbers in the same area code, you may want to make use of postscripting. You can save time dialing by storing the frequently used prefix into the internal Phone Book. If you attach a descriptive name to the prefix, it will be easy to find the right area code or prefix.

To use postscripting, first save the prefix in your Phone Book. See 'Add to Phone Memory, Add to SIM Card Memory.' Then just select the location containing the prefix, enter the remainder of the number, and press  to place the call.

You can also use postscripting to quickly modify a Phone Book entry to a similar number. Just retrieve the entry from the Phone Book, delete the unwanted digits, enter the replacement digit, then press  to place the call.

 *Postscripting a number does not overwrite the entry in the Phone Book.*



How to Enter Alphabetic Characters

When storing names in the Phone Book or creating text messages, you can use  through  to produce any letter in the alphabet.

For example, if you press  when you are prompted for an alpha character, the first displayed character will be **J**. Press  again to produce **K**., another press will produce **L**, and another press **5**. Simply use the letters on the digit keys and the chart as guides.

 **Press and hold any key to toggle between upper and lower case.**

If the next character that you wish to enter is on the same key as the previous character, press  to advance the cursor.

Otherwise, simply press the appropriate key.

 **Press  twice to produce a space.**

If you make a mistake, you can go back to the incorrect character by pressing .

To remove a character from the display, position the cursor  to the right of the character, then press .

Press  to finish entering alphabetic characters.

Available Characters

Use this chart as a guide for producing characters:

	1 Space . ? ! , @ _ & : " () ' % \$ % i
	2 ABC 2 à ç a b c 2 à ç
	3 DEF 3 é è d e f 3 é è
	4 GHI 4 i g h i 4 i
	5 LKJ 5 j k l 5
	6 MNO 6 ã ö m n o 6 ã ö
	7 PQRS 7 p q r s 7
	8 TUV 8 ù ù t u v 8 ù ù
	9 WXYZ 9 w x y z 9
	0 OPN 0 + - x * / = > < # 0 + - x * / = > < #

The top line for each key shows the upper case characters.
The lower line for each shows the lower case.

Personal Numbers

With the Personal Numbers sub-menu, you can create and access entries in the internal Phone Book for both phone and SIM card memory and setup security restrictions to protect information.

Find Entry By Name

 Press  .

This option is used to find a telephone number from a list of alphabetically sorted Phone Book names.

Once selected, you will see **Enter Name**.

Enter the first three characters of the name.

 You do not need to enter all three characters, but a longer entry will result in a more accurate search.

 If you press  without entering any characters, you will see the first entry in the alphabet.

You will see the first matching entry in the Phone Book.

If there is no matching entry in your Phone Book, your phone will display the closest matching entry.

If there are no names stored, you will see **No Names Stored**.

You can scroll through the Phone Book in alphabetical order by pressing  and . When the desired name is displayed, press  to select it. The phone will then enter the submenu for **Call Number**, **Modify Name Or Number**, or **Erase Name And Number**.

 When using   to find an entry by name, pressing  will automatically dial the number and you will not enter the submenu.

Find Entry By Location

 Press  **Location**.

Use this option to find a telephone number by its memory location number.

Once selected, you will see **Enter Location**.

Enter the three-digit location number of the entry.

 If you press  without entering a location number, you will see the entry for the lowest memory location number.

 When using  **Location**, you must enter a location number. For maximum search speed, enter the full 3-digit location. For example, enter 001 for location 1.

If the entered location is not within the range of possible locations, **Range 1-XXX** will display for a few seconds.

If you enter an empty location number, you will see **Location XY Empty**. The next full location will then be displayed.

If you choose a memory location with an entry, you will see the entry for the location selected.

If there are no numbers stored, you will see **No Numbers Stored**.

Press  and  to scroll through the Phone Book in order of the memory location numbers. Press  to select the displayed Phone Book entry. The phone will then enter the submenu for **Call Number**, **Modify Name Or Number**, or **Erase Name And Number**.

 When using  **Location**, pressing  will automatically dial the number and you will not enter the submenu.



Call Number, Modify Name Or Number or Erase Name And Number Options

When you find a Phone Book entry either by name or location using the Options Menu, you have the following options:

Call Number

This option is used to call the number stored in the selected Phone Book entry.

Modify Name Or Number

Edit the selected Phone Book entry with this option.

The entry's current telephone number and name will be presented in turn for modification. Press  when you are finished modifying each aspect of the entry.

Erase Name And Number

This option is used to erase the selected Phone Book entry.

Simply press  when the phone displays the message **Erase Name And Number**. You will see the timed message **Erased XXX** and then return to **Find Entry**.

Add Entry

Add (store) entries to the Phone Book with this option. You can choose to add the new entry to either phone or SIM card memory.

Add To Phone Memory, Add To SIM Card Memory

 Press  to enter **Add Entry** submenu

Once selected, press  to toggle between **Add to Phone Memory** and **Add to SIM Memory**. Press  to select the displayed option.

You will see **Enter Number**.

 *The last telephone number displayed will be presented by default. It can be used or discarded as required.*

 *To discard a number, press and hold .*

Enter the number to be stored and press . You will see **Enter Name**. Enter the name and press . See 'How To Enter Alphabetic Characters' for more information on entering names.

You will be asked to enter a memory location. To choose the next available memory location, simply press . Or, enter the desired location number.

If the entered location is not within the range of location numbers for the memory type selected, a timed message **Range YYY-ZZZ** will be displayed and the phone will return to **Enter Location**. If the chosen location is already occupied, you will be asked if you wish to overwrite the old information.

When the new entry has been entered, a timed message **Stored XXX** will be displayed and the phone will return to **Add Entry**.

Check Capacity

This option is used to check the number of unoccupied Phone Book locations in the phone or SIM card memory areas.

Check Phone Capacity, Check SIM Capacity

First choose a memory type, then a timed message will display **XX Unused Locations** for the memory type chosen. The phone will return to **Check Capacity**.

Prevent Access

This option enables you to prevent access to the Personal Numbers list.

To SIM Card Memory, To Phone Memory, To Phone & SIM Memory, No Memory Restrictions

You can prevent access to all entries in the SIM card memory, the phone memory or both the phone and SIM card memory. To cancel all access restrictions, select **No Memory Restrictions**.

When you change the restrictions, you will be requested to enter the Security Code before the change can be made.

Copy SIM Memory

If you change SIM cards, you can use this option to copy the Phone Book memory of one SIM card to another. Just follow the easy phone prompts.

Show Services

Allows you to view and dial numbers from a list created by your Service Provider.

 *Show Services may not be available in all areas. Contact your Service Provider for details on service availability.*

Last Ten Calls

Last Calls Made and Last Calls Received give you access to the ten most recent numbers both dialed and received on your phone.

Once the option has been selected, press   and  to scroll through the list of phone numbers. Press  to call the displayed number.

 *You can use postscripting to modify a number once you have retrieved it from either of the Last Ten Calls lists.*

Last Calls Made

 Press  and   or  to view the Last Ten Calls Made list.

This option can be used to redial the phone number of any one of the last ten calls made.

Last Calls Received

    to enter the Last Ten Calls Received list.

This option can be used to redial the phone number of any one of the last ten calls received.

 *You will only see numbers in the Last Calls Received list if you have Caller Line Identification.*

Erase All Numbers

This option erases all the numbers stored in your Last Ten Calls Made and Last Ten Calls Received lists.

My Phone Number(s)

 Press   to display your phone number

This option allows you to access your phone, fax, and data numbers so that you can retrieve or modify them when required. The My Phone Number(s) list is stored on your SIM card.

When you select this item, the first location will be displayed. Press  and  to scroll through the phone numbers stored. To enter or change a number, scroll to the location and press . You will be prompted to enter a phone number and then a name (10 character maximum). Press  to store the information.

 Depending on your Service Provider, you may find that one or more of the entries in the My Phone Number(s) list are already defined. You may not be able to change these predefined entries.



Fixed Dialing

 Availability of the Fixed Dialing menu is dependent on your Service Provider and on the type of SIM card.

Control outgoing calls on your phone by setting up a Fixed Dial list. You can restrict calls to certain telephone numbers, country codes, area codes, or other prefixes or exchanges of your choosing.

When Fixed Dialing is switched **On**, your phone will only allow calls to numbers (or numbers with prefixes) on your Fixed Dial list. If you attempt to dial any other number, you will see **Restricted**. Your phone will still place emergency calls, but you will not be able to make fax or data calls.

To make a call when Fixed Dialing is switched **On**, either dial the number manually or select it from the Fixed Dial list and press .

The number of entries that can be stored in the Fixed Dial list is dependent on your SIM card.

 This option may be affected by the Call Barring setting.

View Fixed Dial List

Use this option to scroll through the numbers in the Fixed Dial list. When you find the number you want, press  to make the call.

Setup Fixed Dialing

Allows you to switch Fixed Dialing **On** or **Off** and to enter or change entries in the Fixed Dial list.

You will be prompted to enter your PIN2 security code when you select this option.

On

Switches Fixed Dialing **On**.

Off

Switches Fixed Dialing **Off**.

Edit Entry

Modifies or clears an entry in the Fixed Dial list. When you select this option, the first occupied location in the list will be displayed. Scroll to the entry you want to change and press . You will be prompted to edit the phone number and the name. To clear one digit at a time, press , or press and hold  to delete the entry.

Add Entry

Adds a phone number and name to the Fixed Dial list. When you select this option, you will be prompted to enter the phone number, name, and a location number. If you do not specify a location number, it will be stored in the next available location.

 *When setting up your Fixed Dial list, you may want to reserve the first nine locations for phone numbers you wish to One-Touch Dial. See also 'One-Touch Dial Setting.'*

Erase Entry

Erases a phone number and name from the Fixed Dial list. Once selected, the first entry will be displayed. Scroll to the entry you wish to delete and press .

One-Touch Dial Setting

You can use this option to setup either phone memory, SIM card memory, or your Fixed Dial list for One-Touch Dialing. See 'Making and Receiving Calls' for information on how to One-Touch Dial.

To Phone Memory

Switches One-Touch Dialing to your Personal Numbers list stored in phone memory (locations 1 to 9).

To SIM Card Memory

Switches One-Touch Dialing to your Personal Numbers list stored on your SIM card (locations 101 to 109).

To Fixed Dial List

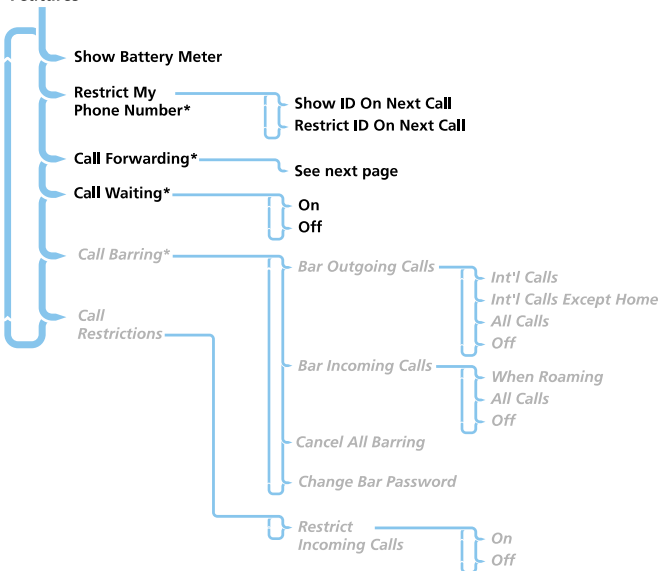
 *This option is only available if you have Fixed Dialing.*

Switches One-Touch Dialing to your Fixed Dial list (locations 1 to 9).

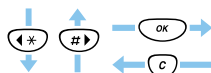


Call Related Features Menu

Call Related Features



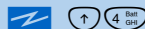
Menu Navigation



Items shown in *italics* are available only when **Extended Menus** is switched on.

* Network dependent feature.

Show Battery Meter



This option displays the approximate amount of battery capacity remaining, for example:



Number of Bars

1

3

5

7

Approximate Charge Level

less than 5%
(recharging needed)

less than 20%

less than 50%

greater than 50%

Restrict My Phone Number

Restrict My Phone Number is a network dependent feature. You will need to subscribe to one of the two Caller Line Identification restriction features with your Service Provider.

Show ID On Next Call

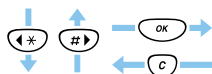
Your phone number is sent with the next attempted call. After this, your phone number will not be sent until you re-select this option.

Restrict ID On Next Call

Your phone number will not be sent with the next attempted call. After this, your phone number will be sent with calls until you re-select this option.

 Please note that dialing from the *Last 10 Calls Made* list will utilize the original call restrict setting.

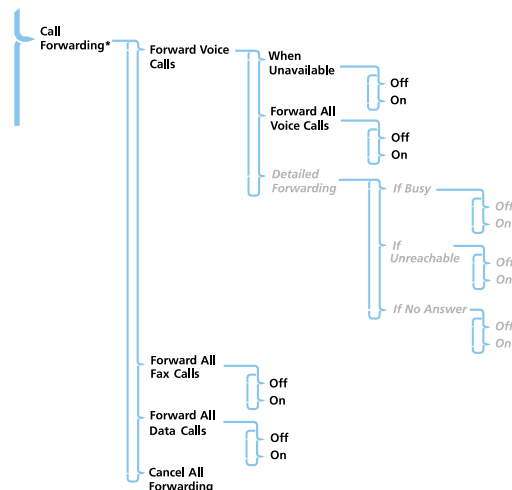
Menu Navigation



Items shown in *italics* are available only when **Extended Menu** is switched on.

* Network dependent feature.

OK Call Forwarding



If you subscribe to Call Forwarding through your Service Provider, you can separate fax or data calls from voice calls, route all calls to wherever you may be reached, or forward calls when you cannot be reached.

This submenu can be used to:

- Forward all incoming calls unconditionally
- Forward incoming calls whenever your phone is unavailable, busy, unreachable or not answered
- Forward incoming data and/or fax calls
- Cancel all forwarding options

After selecting any of the Call Forwarding options, there will be a short delay while the phone asks the network for the requested setting.

 *You cannot change the Call Forwarding settings when you are out of PCS coverage.*

Forward Voice Calls

This submenu will allow you to set Call Forwarding for voice calls in three ways: **When Unavailable**, **Forward All Voice Calls**, or **Detailed Forwarding**.

When Unavailable

Use this option to forward all incoming calls to a single number whenever your phone is unavailable.

The option has two settings, **On** or **Off**.

If you change the setting to **On**, you will be asked to enter a forwarding phone number using the digit keys.

 *If both are activated, Forward When Unavailable overrides Detailed Forwarding settings.*

Forward All Voice Calls

Use this option to *unconditionally* forward all incoming voice calls to a single number.

The option has two settings, **On** or **Off**.

If you change the setting to **On**, you will be asked to enter a forwarding phone number using the digit keys.

 *Forward All Voice Calls overrides all other forwarding settings.*

Detailed Forwarding

You can use Detailed Forwarding to be sure you do not miss any calls when your phone is busy, unreachable, or not answered.

 *Detailed Forwarding settings are ignored while Forward All Calls or Forward When Unavailable are activated.*

Each option has two settings, **On** or **Off**.

If you change the setting to **On**, you will be asked to enter a forwarding phone number.

If Busy

This option will forward incoming calls if your phone is busy.

If Unreachable

This option will forward incoming calls if your phone cannot be contacted by the network.

If No Answer

This option will forward incoming calls if you do not answer.

Forward All Fax Calls

Use this option to forward all fax calls to a single number.

The option has two settings, **On** or **Off**.

If you change the setting to **On**, you will be asked to enter a forwarding phone number using the digit keys.

Forward All Data Calls

Use this option to forward all data calls to a single number.

The option has two settings, **On** or **Off**.

If you change the setting to **On**, you will be asked to enter a forwarding phone number using the digit keys.

Cancel All Forwarding

Use this option to cancel the forwarding of incoming calls.

! *This option resets all forwarding settings to **Off** and removes all forwarding numbers.*

OK Call Holding and Call Waiting

Your phone supports the PCS network options of Call Holding and Call Waiting*. Using these options, you can place a current phone call on hold and accept an incoming call or start a second call.

The Call Waiting menu item has two settings, **On** or **Off**. If you select **Off**, you will not be notified of waiting calls. The person trying to contact you will either receive a busy tone or be forwarded if **Detailed Forwarding - If Busy** is activated.

Call Waiting

If Call Waiting is **On**, you will be notified of an incoming call by an audible alert and by the message **Call Waiting - Answer?**

- To accept the incoming call, press . The other caller will automatically be placed on hold.
- To reject the incoming call, press  or press  and select **Reject Call Waiting**.

If you would like to end the active call first, press  and select **End Active Call?** The phone will then ring and can be answered normally.

 *If you have CLI, the caller's information will be displayed instead of the call waiting message.*

Call Holding

If you would like to put an active call on hold to make another call, press  and select **Call Hold**. Then press  again and select **Make New Call**.

- To end a held call, press  and select **End Held Call**.

Switching between calls

Pressing  will switch you between the active and held calls. The other caller will automatically be placed on hold.



* Network dependent feature.

Call Holding and Call Waiting Messages

During Call Holding and/or Call Waiting operations, your phone may display one or more of the following messages:

Trying

A request to hold the active call, or swap the active call with a held call, has been made.

or

A request to reconnect the held call has been made.

Hold Failed

The request to hold a call has been unsuccessful.

Cannot Hold Second Call

A call is already on hold. You cannot place two calls on hold at the same time.

Reconnect Failed

The held call could not be made active again.

Busy Try Later

Your phone is still working on a previous command. Wait a short time before repeating the command.

Anonymous

The person who is calling you has blocked their Caller Line ID information.

Unavailable

The network is unable to provide the caller's number.

OK Call Barring

Call Barring is a network dependent feature which can be used to selectively bar outgoing and incoming calls.

If you change the barring setting, you may be asked to enter your barring password. There will be a short delay while the phone notifies the network of the new setting. When the change has been made by the network, the phone will display a confirmation message.

The *initial* password is supplied to you by your Service Provider when you subscribe to this service.

Bar Outgoing Calls

After selecting this option, there will be a short delay while the phone asks the network for the current setting.

Int'l Calls

Bars outgoing international calls.

Int'l Calls Except Home

Bars outgoing international calls, except those to your home country.

All Calls

Bars all outgoing calls, except emergency calls.

Off

Disables all Call Barring for outgoing calls.

Bar Incoming Calls

After selecting this option, there will be a short delay while the phone asks the network for the current setting.

When Roaming

Bars incoming calls when you are outside your home service.

This option can be useful to avoid the surcharge applied by some Service Providers for receiving calls while roaming.

All Calls

Bars all incoming calls.

Off

Disables all Call Barring for incoming calls.

Cancel All Barring

Disables all Call Barring for both incoming and outgoing calls.

Change Bar Password

This option can be used to change the Call Barring password.

After selecting this option, you will be asked to enter the current password.

You will then be asked to enter and then re-enter your new 4 -digit barring password. When the change has been made by the network, the phone will display a confirmation message.

Call Restrictions

If you do not subscribe to Call Barring, you can use this option to restrict incoming calls.

Restrict Incoming Calls

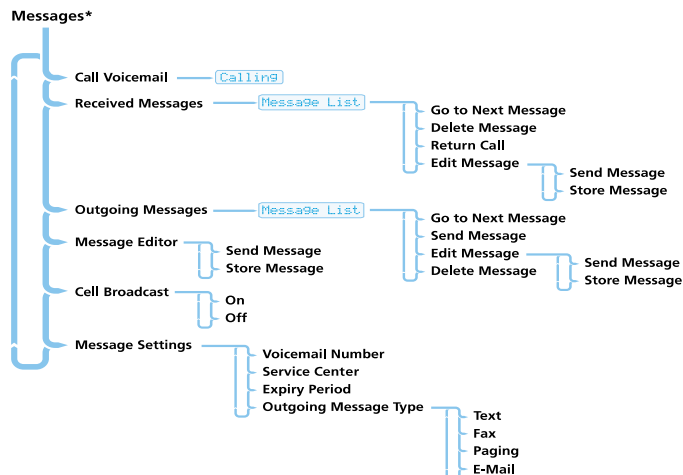
This option can be used to prevent your phone from receiving any incoming calls.

The option has two settings, **On** or **Off**.

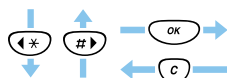




Messages Menu



Menu Navigation



*Network dependent feature.

Your phone supports the two optional PCS network message features: Short Message Services (SMS) and Cell Broadcast.

SMS Messages

These are text messages that are sent specifically to and from your phone number.

All SMS messages are stored on your SIM card. The amount of storage space is determined by your Service Provider and is shared between both outgoing and incoming messages.

When an SMS message is received, your phone:

- 1 Makes three short alert tones
- 2 Displays the  (messages) icon
- 3 Stores the message for later viewing

 If there is not enough space in your message memory, the  icon will flash. One or more messages must be removed before the new message can be stored.

Your Service Provider may transmit a message for a limited amount of time. If a memory location is not made available before the message is removed from the network, then you will not be able to receive or read it.

Cell Broadcast Messages

These are general messages, broadcast to a group of phones and can only be received when your phone is in standby mode.

Cell Broadcast messages are broadcast in numbered 'channels.' In general, each channel will tend to carry one particular type of information.

Typical Cell Broadcast channels have information on local weather conditions, traffic reports, or stock market prices. Please contact your network operator for a list and description of available channels.

When the message has scrolled across the display, the beginning of the message will be shown until you either remove it or a new message arrives.

How to Read SMS Messages

You can use  and  to scroll through messages in either the Received Messages or Outgoing Messages lists.

To display a specific message, enter the message number. For example, press  to display the 5th message. If the message does not exist, you will see *Invalid Msg Number*.

To display the next message, press  and select *Go To Next Message*.

How to Create and Edit SMS Messages

Use the *Message Editor* to create or modify text messages. When you enter the editor, the last message that was edited will be displayed. Press and hold  to clear the message and start a new one, or modify the message displayed. For an explanation of how to enter text, see 'How to Enter Alphabetic Characters' in *Phone Book Menu*.

Press  when you have completed your message. You will then be presented with the following options:

Send Message - If you select this option, you will be prompted for a phone number. Enter the number and then press  to send the message.

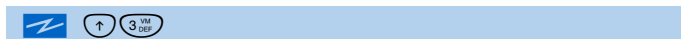
 *Dialing prefixes and area codes may be required.*

Store Message - Select this option to store your edited message in your Outgoing Messages list.

 *If you don't store the message after it has been edited, you will lose all your changes as soon as you select another message to be edited.*



OK Call Voicemail



Once selected, this option will leave the Messages menu and automatically make a phone call to your subscription voicemail number. The display will show **Calling** and standard call operations can be performed.

The voicemail phone number can be stored by selecting **Voicemail Number** in the **Message Settings** sub-menu.

Received Messages



to access **Read Messages**

This option is used to view and manage any SMS messages that have been sent to your phone number.

When selected, this option will display a message indicating the total number of messages and how many of these are new. If there are no messages, **No Messages** will be displayed.

If there are messages, the new messages will be displayed first, followed by the old. Repeated presses of **#** will display the entire message, the time it was sent, and the phone number of the sender (if available).

 Once you have read a new message, it will automatically become old.

See 'How to Read SMS Messages' for more information on navigating through the messages.

Press **OK** when viewing any message to enter the sub-menu for **Go to Next Message**, **Delete Message**, **Return Call**, and **Edit Message**.

Go to Next Message

This option will display the next received message.

If you are currently reading the last message in your list, then this option will take you back to the top of the list.

Delete Message

This option will delete the currently viewed message.

Return Call

This option will call the number of the message sender (if included by the network) or a number enclosed in quotes "" within the message.

Edit Message

This option allows you to use the Message Editor to edit the selected message and then to send the modified message and/or store it in your Outgoing Messages list. See 'How to Create and Edit SMS Messages' for more information on using the Message Editor.

Outgoing Messages

This option is used to view and manage your Outgoing Messages. These messages will be stored on your SIM card. When you select this option, the total number of messages will be displayed, followed by the first message in the list.

 You cannot send an outgoing message until the Message Service Center number has been set. See 'Message Settings.'

Press  when viewing any message to enter the sub-menu for **Send Message**, **Edit Message**, **Delete Message**, and **Go to Next Message**. See 'How to Read SMS Messages' for more information on navigating through the messages.

Go to Next Message

This option will display the next outgoing message.

Send Message

If you select this option, you will be prompted for a phone number. Enter the number and then press  to send the message.

Edit Message

This option allows you to use the Message Editor to edit the selected message and then to either send the modified message or store it in your Outgoing Messages list. See 'How to Create and Edit SMS Messages' for more information on using the Message Editor.

Delete Message

This option will delete the currently viewed message.

 Keep regularly used short messages handy by storing them in your Outgoing Message list. Simply recall a stored message and modify if necessary, then send it to keep people up to date.

Message Editor

   to access Message Editor.

The Message Editor is used to create a new message or edit the currently selected message. Once selected, choose to either **Send Message** or **Store Message** in your Outgoing Messages list. See 'How to Create and Edit SMS Messages' for more information on using the Message Editor.

Cell Broadcast

This option is used to set the Cell Broadcast settings. The option has two settings, **On** or **Off**.

If you change the setting to **On**, you will be asked to choose a channel.

Please contact your Service Provider for a list and description of available channels.

While a broadcast message is scrolling across the display, you can stop and start it by pressing . Press  to restart the message from the beginning. If you want to remove the message from the display, press  followed by .

 If you need to use the  and  keys for their normal functions while you are receiving a Cell Broadcast message, you must first remove the message.

Message Settings

Voicemail Number

This option is used to store a phone number that will be used by [Call Voicemail](#).

If a Voicemail Number is already stored, you will see it in the display. Depending on the specific setting of your Service Provider, this may be used, modified, or deleted as desired.

Service Center

Before you can send any messages, you must use this option to enter your Message Service Center number. This number is obtained from your Service Provider.

Expiry Period

This option is used to specify the maximum time in hours that your unforwarded messages will remain with the Message Service Center before they are deleted. When you select this option, the current expiry period will be displayed (the default is 24 hours).

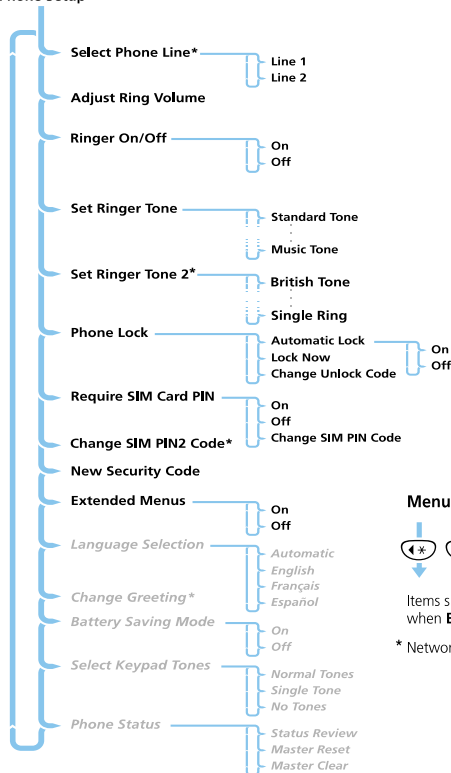
The maximum value you can enter is 10584, though the actual limit will depend on your Message Service Center.

Outgoing Message Type

This option is network dependent and can be used to specify the format of your outgoing messages. You can select from the following message types: [Text](#) (default), [Fax](#), [Paging](#) or [E-Mail](#).

Phone Setup Menu

Phone Setup



Menu Navigation



Items shown in *italics* are available only when **Extended Menus** is switched on.

* Network dependent feature.

Select Phone Line

Alternate line service is a subscription feature that allows your phone to accommodate two different voice phone lines. This allows you to manage different types of calls (such as personal and business) separately.

Calls may be billed separately for each line. The outgoing line selection does not apply to data or fax outgoing calls. If you subscribe to this feature, you may select either **Line 1** or **Line 2** for outgoing calls.

Adjust Ring Volume

  **volume buttons (up or down).**

This option is used to adjust the volume of the incoming call ring tone. Once selected, the buttons on the right hand side of your phone adjust the ringer volume level. Volume is increased with the upper button and decreased with the lower button.

Ringer On/Off

   **8 key icon**

This option turns your phone alert **On** or **Off**. The Quick Access version toggles the ringer from its current state to the opposite state.

 *The setting you choose also applies to the alert for an incoming SMS message.*

OK Set Ringer Tone

This option sets the tone your phone will make when an incoming call is received. Choose from eleven different ring tones.

Standard Tone

Your phone will make a standard ringing tone.

Single Ring Tone - Music Tone

When selected, your phone will produce one of the alternative ring tones.

 If you select **Single Ring Tone**, the phone will only ring once when a call is received.

OK Set Ringer Tone 2

This option sets the tone your phone will make when an incoming call is received on line 2. Choose from eleven different ring tones. The default tone for line 2 is the British Tone.

OK Phone Lock

This option is used to set and change the phone unlock code.

The phone's lock can be set to help prevent unauthorized use. Your phone can even be set to automatically lock each time it is switched on.

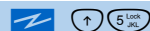
The phone unlock code is a four-digit number which is set at manufacture to **1234**. This can be changed at any time by using **Change Unlock Code**.

Automatic Lock

This option can be used to automatically lock your phone each time it is switched on.

The option has two settings, **On** or **Off**.

Lock Now



This option can be used to immediately lock your phone. Once selected, your phone will be unusable until the phone unlock code is entered.

Change Unlock Code

This option is used to change the unlock code.

After selecting this option, you will be asked to enter the current security code before you can proceed.

You can now enter a four-digit code to replace the old code.

 By pressing , you can access this option even when the phone is locked.

Require SIM Card PIN

This option is used to set and change the PIN code.

The PIN code can be set to help protect your SIM card from unauthorized use. If switched to **On**, access to your SIM card will be restricted each time it is inserted or the phone is turned on.

The option has two settings, **On** or **Off**.

 *If the SIM card does not support PIN code disabling, these items will not appear.*

OK Change SIM PIN Code

This option is used to change the SIM card PIN code.

Require SIM Card PIN must be set to **On** and you must enter the old PIN code before you can proceed.

! *If an incorrect PIN number is entered three times in a row, your SIM card will automatically lock-up and the **Blocked** message will be displayed.*

You will be asked to enter a new four- to eight-digit code to replace the old PIN code. The new PIN code must be entered again as confirmation.

Unlocking Your Phone

If you receive the **Blocked** message, you will need to enter an unblocking code and key sequence before you can use the phone.

! *The 8-digit PIN unblocking code will have been provided with your SIM card by your Service Provider. If you do not have this 8-digit PIN unblocking code, contact your Service Provider before attempting this procedure.*

Enter the following key sequence to unblock your phone:

 *  *    * **Unlock Code** 
New PIN Code  **New PIN Code** 

The new PIN code must contain four- to eight-digits.

! *If this operation is performed incorrectly 10 times in a row, your SIM card will become permanently blocked.*



Change SIM PIN2 Code

This option is used to change your PIN2 security code.

When you select this option, you must enter the old PIN2 security code before you can proceed.

You will be asked to enter a new four to eight-digit code to replace the old PIN2 security code. The new PIN2 security code must be entered again as confirmation.

! *If an incorrect PIN2 security code is entered three times in a row, the Blocked message will be displayed.*

When the **Blocked** message is displayed, you are not allowed access to menu items that require you to enter the PIN2 code, for example, **Setup Fixed Dialing** and **Call Charge Settings**.

OK New Security Code

The security code is used to control access to security and other options within the menus.

This option is used to change the security code, which is set at manufacture to **000000**.

Once selected, you will be asked to enter the current security code before you can proceed.

You will then be asked to enter a new six-digit code to replace the old security code.

! *In order to safeguard your phone, you should change your security code from the factory setting as soon as possible.*

OK **Extended Menus**

 Press and hold . Extended Menus will be temporarily activated until you exit the Options Menu.

The option has two settings, **On** or **Off**.

If **Extended Menus** is switched off, you will not be able to access any of the extended features.

OK **Language Selection**

This option is used to change the language for display messages.

The option has multiple settings.

When you select a language, all further display prompts and help messages will be in the selected language.

OK **Change Greeting**

This option is used to change the message displayed when you switch on your phone.

Once selected, you will be able to enter a new greeting of up to 24 characters. See 'How to Enter Alphabetic Characters' in *Phone Book Menu* for more information.

The new greeting will be displayed the next time your phone is switched on.

 This feature may not be available on all networks.

Battery Saving Mode

This option can help you to conserve battery power. Also known as DTX (Discontinuous Transmission), this feature will enable your phone to operate at reduced power when you are not talking.

The option has two settings, **On** or **Off**.

OK **Select Keypad Tones**

This option allows you to change or disable the tones that you hear when you press a key on your phone.

The option has three settings: **Normal Tones**, **Single Tone** or **No Tones**.

Phone Status

Status Review

When this option is selected, your phone will display the list of menu options that have changed from their default settings. Press  to scroll through the list.

 Keep in mind that *Status Review* is an opportunity to review but not change features.



Master Reset

! *This option should be used with caution.*

This option is used to restore certain phone options to their original settings.

When selected, you will be asked to enter the security code. Once entered, **Master Reset** will perform the following operations:

- Cancel Automatic Answer, Audible Call Timers, In-Call Display Meter, Automatic Lock and Cell Broadcast
- Enables Battery Save (DTX)
- Return Language Selection to Automatic
- Restore Keypad Tones to Normal, Ringer Tones to Standard, Volume Level to Medium and Network Search frequency to Medium
- Reset the expiry period for SMS messages to 24 hours and the Message Type to Text

Master Clear

! *This option should be used with extreme caution. For example, it will clear all the Phone Book entries from your phone memory.*

This option is used to restore certain phone options to their original settings.

When selected, you will be asked to enter the security code. Once selected, **Master Clear** will perform the same operations as **Master Reset**, plus the following operations:

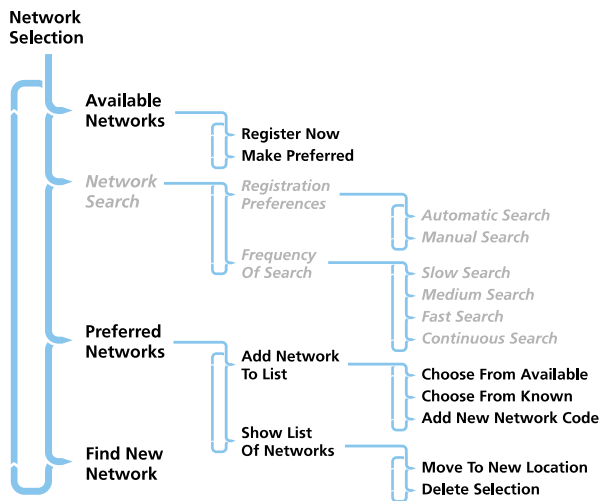
- Clear the Phone Book entries from phone memory (not from SIM memory)
- Clear the Last Calls Made and Last Calls Received list
- Clear the Message Editor
- Reset the Resettable Call Timers

Master Clear does **not** clear the:

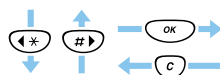
- My Number(s) list
- Received and Outgoing Messages list



Network Selection Menu



Menu Navigation



Items shown in *italics* are available only when **Extended Menus** is switched on.

Network Selection

In order for the phone to make and receive phone calls, it must register with one of the available networks.

Your phone automatically searches for the last network used. If, for any reason, this network is unavailable, your phone will attempt to register with a new network.

When your phone needs to register with a new network, it will generate a sorted list of networks. The network list is sorted in the following order:

- The Home network
- PCS networks from a preferred list
- A random list of other PCS networks found above a certain signal strength
- All remaining PCS networks in descending order of signal strength

Any forbidden networks that are stored on your SIM card will not be included in the sorted list.



Available Networks

When selected, this option will scan for networks operating in your current vicinity. When the scan is complete, press  to scroll through the list. When you see a network you wish to register with or store in your preferred list, press . You will now enter the submenu for **Register Now** and **Make Preferred**.

Register Now

Once selected, your phone will try to register with the selected network. If the registration fails, your phone will try to register in the normal way as described on the previous page.

Make Preferred

Once selected, you will be asked where the selected network is to be located in the preferred list.

Network Search

These options determine how often your phone tries to register with a network and how the attempt is made.

Registration Preferences

This option determines how the phone tries to register with a network.

The option has two settings, **Automatic Search** or **Manual Search**.

Automatic Search Mode

In the automatic mode, the phone will try to register with the first PCS network in the sorted list. If this is successful, your phone will display the network name and then enter standby mode.

If registration is unsuccessful with the first network on the list, your phone will try the next listed network. If your phone fails to register with any of the listed networks, it will start at the beginning of the list after a preset period. The preset period is determined by **Frequency Of Search**.

Manual Search Mode

In the manual mode, the phone will present you with the sorted list of PCS networks. Press  or  to find a network on the list, then press  to select it. Your phone will try to register with the selected network. If this is successful, the phone will display the network name and then enter standby mode.

If registration is unsuccessful, your phone will present the list again after a preset period. The preset period is determined by the **Frequency Of Search**.

 *If the phone is turned off, it will revert to Automatic Search Mode when it is turned on again and register with a network in the order of the sorted list.*

Frequency Of Search

This option is used to determine how long your phone waits before attempting to re-register after a registration attempt has failed.

The option has the following settings: **Slow Search**, **Medium Search**, **Fast Search** or **Continuous Search**.

 *Fast and Continuous Search may use up a significant amount of battery power.*

Preferred Networks

Add Network To List

This option enables you to add networks to your preferred list by offering three choices: **Choose From Available**, **Choose From Known**, and **Add Network Code**.

When selected, **Choose From Available** will scan to see which networks are operating in your current location. When the scan is complete, press  to scroll through the list. When you see a network you wish to store in your preferred list, press . You will be asked where the selected network is to be located in the preferred list.

When selected, **Choose From Known** will present you with a preset list of networks. Press  to scroll through the list. When you see a network that you wish to store in your preferred list, press . You will be asked where the selected network is to be located in the preferred list.

Select **Add New Network Code** to enter network codes directly. Once entered, you will be asked to rank the network on your network preference list.

Show List Of Networks

This option is used to display the networks you have stored in your preferred list. When the network you wish to edit is displayed, press  for two choices, **Move To New Location** and **Delete Selection**.

When **Move To New Location** is selected, you will be asked to enter a new location for the selected network.

When selected, **Delete Selection** will remove the selected network from the preferred list.

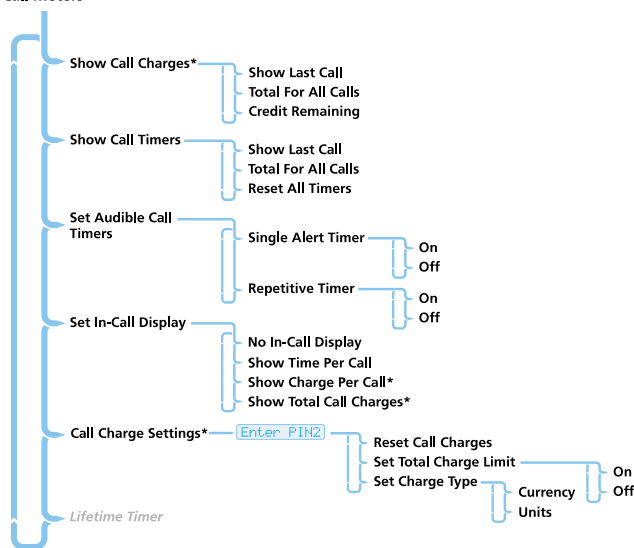
Find New Network

When selected, the phone will try to register with a new network by generating a list in the usual way. The list will not include the current network. If the attempt fails, your phone will then try to re-register with the previous network.

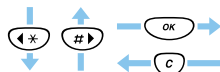


Call Meters Menu

Call Meters



Menu Navigation



Items shown in *italics* are available only when **Extended Menu** is switched on.

* Network dependent feature.

Call Metering

Your phone has a variety of call meters that you can use to monitor individual and total call times or costs.

 *Call cost information is only available if you receive the Advice of Charge service. If you do not receive this service, then only time meters are available.*

You can set the call meters to display during calls or choose to be reminded audibly by beeps at specific times or intervals.

You can even set a maximum charge limit. Once your phone reaches the limit, set by you in either units of time or currency, it will prohibit all calls until it is reset.

Show Call Charges

This option allows you to display the cost of your calls or the amount of credit remaining. The figures are in phone units or currency depending on the setting of *Set Charge Type*.

 *Show Call Charges is only available if you receive the Advice of Charge service.*

Show Last Call

Displays the cost of your last chargeable call.

Total For All Calls

Displays the cost of all your chargeable calls since the charge meters were reset to zero using [Reset Call Charges](#).

Credit Remaining

Displays the difference between [Total For All Calls](#) and the limit specified with [Set Total Charge Limit](#). If there is no limit, [No Charge Limit Set](#) will be displayed.

Show Call Timers

This option allows you to display the duration of your calls and to reset your time meters to zero.

If you receive the Advice of Charge service, all calls are timed.

Show Last Call

Displays the timed duration of your last call.

Total For All Calls

Displays the timed duration of all your calls since the time meter was reset to zero using [Reset All Timers](#).

Reset All Timers

Sets the resettable time meters to zero. The Lifetime Meter is not resettable.

OK Set Audible Call Timers

Your phone provides two programmable audible call timers:

- [Single Alert Timer](#) will sound a beep just once during a call, after a preset time has elapsed.
- [Repetitive Timer](#) will sound regular beeps during a call, at preset intervals.

In both cases, the timers will sound their beeps ten seconds before the end of the programmed time.

Set In-Call Display

Use this option to display the time or charge meters during calls. If you do not have the Advice of Charge service, only the time meter is available.

 *If a total charge limit has been set and charge meter has been selected, then the in-call display will always display Credit Remaining.*

No In-Call Display

Switches off any in-call displays whether charge or time meter.

Show Time Per Call

Displays the time meter during calls. If you receive the Advice of Charge service, only the chargeable calls will be displayed.



Show Charge Per Call, Show Total Call Charges

 These menu items are only available if you receive the Advice of Charge service.

Choose to display during calls either the total call charges since the meter was reset or the charge per call. The meter shows phone units or currency depending on the setting of **Set Charge Type**.

Call Charge Settings

This submenu allows you to customize your Advice of Charge settings. You will be prompted to enter your PIN2 security code before you can access these options.

 This menu item is only available if you receive the Advice of Charge service.

Reset Call Charges

Resets your charge meters to zero.

Set Total Charge Limit

Sets the maximum limit for call charges. Once this limit has been reached, the network will refuse any further chargeable calls.

If you switch the charge limit **On**, you will be prompted to enter a new limit. Enter the amount as either units or currency depending on the setting of **Set Charge Type**. Units must be entered as whole numbers.

 When the charge limit is activated, you will not be able to make fax or data calls.

Once a limit is set, the in-call display will show the remaining credit. When you reach your last two minutes, the warning message **Approaching Charge Limit** will be displayed and a warning alert will sound. The sound will be repeated when one minute remains. When the limit is reached, the message **Charge Limit Reached** will be displayed and you will not be able to make any more chargeable calls.

Once the limit is reached, the Total Charge Limit will need to be reset or switched off before any chargeable calls can be made.

Select **Off** to switch off the charge limit.

Set Charge Type

This option defines whether charge information is displayed as either phone units or currency.

Currency

Sets the charge type to currency. You will be prompted to enter the **Currency Name**. Enter a 3-character notation. For example, enter USD for United States or CAD for Canada. You will then be prompted for the **Charge Per Unit**. Enter the amount and press .

Units

Sets the charge type to phone units.

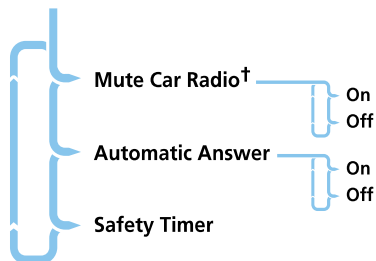
Lifetime Timer

This option is used to display the total time of all calls made on your phone.

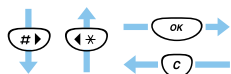
This meter can not be reset. **Reset All Timers**, **Master Reset**, and **Master Clear** do not affect this timer.

Accessory Setup Menu

Accessory Setup



Menu Navigation



† Availability depends on the type of SIM card. This option can only be enabled by your local dealer.

You will only be able to access this menu when your phone is mounted in a car kit.

Car kits can provide charging accessories and some provide connection to an external antenna for better reception. Your phone can also be linked to external microphones and speakers for handsfree operation.

Your phone provides several options to complement the use of car kits.

OK Mute Car Radio

This option mutes your car radio when you make or receive a call with the car kit attached. It must be enabled by your local dealer.

This option has two settings, **On** or **Off**.

 This option will have no effect if your car radio does not have a mute feature or if the car kit installation does not support this option.

Automatic Answer

When your phone is attached to a car kit, this option allows your phone to automatically answer an incoming call after two rings.

This option has two settings, **On** or **Off**.

Safety Timer

This option sets a timer to specify how long your phone remains on after the car's ignition has been turned off. If you make frequent driving stops, estimate your longest stop, then set the timer at your estimate. If you stop longer than anticipated, you will save battery power when your phone automatically shuts off. Or, if you return to your car before the timer has expired, you won't need to bother re-entering your PIN and/or unlock codes.

The Safety Timer is initially set to 60 minutes, but you can choose any length of time between one and 999 minutes.

 If the Safety Timer is set to zero, the phone connected to the car kit will operate only in conjunction with your vehicle's ignition. If the ignition is off and you press the phone's power key, the phone will power up momentarily but then immediately power down.





Using the Quick Access Menu

Although the features in your phone are available through the easy access Options Menu, the following most commonly used features are also available by pressing the Quick Access key then the appropriate number:

Find by Name

You will be prompted to **Enter Name**. Enter the first three characters of the name and press . The first matching entry in the Phone Book will be displayed. Press  to call the number.

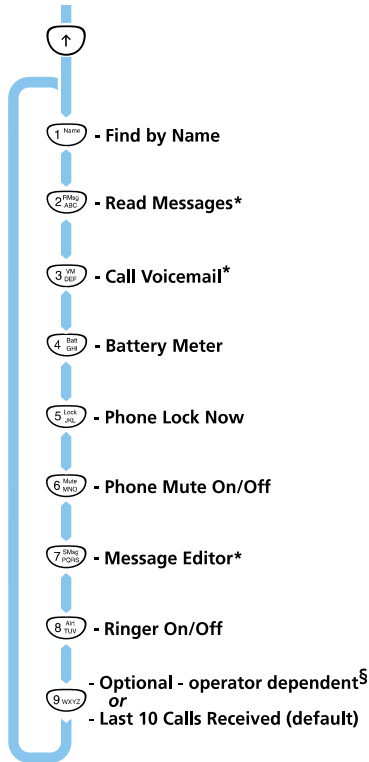
Read Messages

Your newest message will be displayed. You can then read, delete, and edit messages as you normally would. See 'Received Messages' for more information.

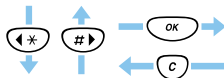
Call Voicemail

Your phone will make a call to your voicemail number.

 *Network subscription required. You must have defined a Voicemail Number in order to use this feature.*



Menu Navigation



[§] Contact your Service Provider for details.

*Network dependent feature.



Battery Meter

A bar graph indicating the approximate battery charge level will be displayed. The more bars displayed, the greater the charge level.

See 'Show Battery Meter' for more information.

 *If your phone is connected to the travel charger, the battery meter is replaced by charging status information. See 'Charging Your Battery.'*

Lock Phone

This option can be used to immediately lock your phone. Once selected, your phone will be unusable until the unlock code is entered.

Mute Microphone

This option can be used to mute the phone's microphone while in a call. Press   again to turn the mute off.

Message Editor

The last message that was edited will be displayed. Press and hold  to clear the message and start a new one, or modify the message displayed. See 'How to Create and Edit SMS Messages' for more information.

Ringer On/Off

This option turns your phone's ringer on or off.

Optional –Operator Dependent

The function chosen for the last Quick Access key is determined by your Service Provider. The default option is listed below. Contact your Service Provider for more information.

Last Ten Calls Received

Lets you access, view, and dial phone numbers in your last 10 calls received list.

The following optional accessories have been designed to work with your PCS phone. Additional accessories may be available. Please refer to your local service provider or retail outlet for more information.

Desktop E•P Charger (SPN4216)

The Desktop E•P Charger allows you to charge a phone with a battery attached as well as a spare battery. The charging status for each battery is indicated by LEDs at the front of the charger.

☞ *For added convenience, the Desktop E•P Charger uses your Travel Battery Charger - Wall Adapter (SPN4159) as its power supply.*

Travel Battery Charger - Wall Adapter (SPN4226)

The Travel Battery Charger connects to the Desktop Rapid Charger or directly to the phone. When connected directly to the phone, it charges the battery and also allows you to use the phone while charging.

Cigarette Lighter Adapter (SLN9933)

The Cigarette Lighter Adapter connects to your phone and allows you to charge your phone's battery when driving. When the phone is in use, the adapter overrides the battery therefore preserving battery life.

Handsfree Car Kit (S6948 or S6110)

The Handsfree Car Kit allows you to operate your phone conveniently while in the car. The car kit provides a responsive directional microphone and direct antenna connection (antenna only available in S6110 kit). While connected to the phone, the car kit also rapid charges the battery.

Some jurisdictions prohibit your using a cellular or PCS telephone while driving a vehicle. Even if your jurisdiction does not have such a law, we strongly suggest that, for safety reasons, the driver use extreme caution when operating your PCS telephone while the vehicle is in motion. (See the 'Safety' section for more information.)

PC Data Card (SYN5182)

This PC Card allows you to send and receive data and fax calls using your phone and a computer with a PCMCIA Type II slot.

Not only does the card transmit at data rates up to 9600bps (non-transparent), it can also transmit in transparent mode using V.42bis compression to achieve data rates as high as 36Kbps.





What to do if...

You can't switch your phone on	<i>Check the battery.</i> Is it charged, properly fitted, and are the contacts clean and dry? See 'Battery Performance and Maintenance.'
You can't make calls	<i>Check the antenna.</i> Is it fully extended? <i>Check the signal strength meter in the display.</i> If the signal is weak, move to an open space or, if you are in a building, move closer to a window. <i>Check the Network Selection settings.</i> Try Manual Selection, or try another network. See 'Network Search.' <i>Check your Operator coverage map.</i> <i>Is Restricted displayed?</i> Check the Call Barring setting. <i>Has a new SIM card been inserted?</i> Check that no new restrictions have been imposed. <i>Has charge limit been reached?</i> See 'Show Call Charges.'
You can't receive calls	<i>Check to see that your phone is switched on.</i> <i>Check the antenna.</i> Is it fully extended? <i>Check the signal strength meter in the display.</i> If the signal is weak, move to an open space or, if you are in a building, move closer to a window. <i>Check the Call Forwarding and Call Barring settings.</i> <i>Check the Ringer setting.</i> If it is off, there is no audible Ringer. See 'Ringer On/Off'.
Your phone won't unlock	<i>Have you inserted a new SIM card?</i> Enter the new PIN code. See 'Entering Your SIM Card PIN Code.' <i>Do you have a replacement phone?</i> Enter the default phone unlock code - 1234. <i>Have you forgotten the unlock code?</i> Press  to change the unlock code (you will need your security code).
Your PIN is blocked	<i>Enter the PIN unblocking code supplied with your SIM card (see 'Unblocking Your Phone').</i>
Your PIN2 is blocked	<i>Enter the PIN2 unblocking code supplied with your SIM card or contact your Service Provider.</i> <i>See 'Change SIM PIN2 Code.'</i>
Your SIM card won't work	<i>Is the card inserted the correct way?</i> See 'SIM Card Insertion.' <i>Is the gold chip visibly damaged or scratched?</i> Return the card to your Service Provider. <i>Check the SIM and phone contacts.</i> If they are dirty, clean them with an antistatic cloth.





The battery won't charge	<i>Check the charger.</i> Is it properly connected? Are its contacts clean and dry? See 'Your Battery.' <i>Check the battery contacts.</i> Are they clean and dry? <i>Check the battery temperature.</i> If it is warm, let it cool before recharging. <i>Is it an old battery?</i> Battery performance will decline after several years of use. Replace the battery.
The battery drains faster than normal	<i>Are you in an area of variable coverage?</i> This uses extra battery power. <i>Is your antenna fully extended?</i> This helps use less battery power. <i>Is it a new battery?</i> A new battery will need two to three charge/discharge cycles to attain normal performance. See 'Charging a New Battery.' <i>Is it an old battery?</i> Battery performance will decline after several years of use. Replace the battery. <i>Is it a battery that hasn't been completely discharged?</i> Allow the battery to fully discharge (until the phone turns itself off) and then charge the battery overnight. <i>Check that the Frequency Of Search feature in the Network Selection menu has not been set to Fast or Continuous.</i> See 'Network Search.' <i>Check that the Battery Saving Mode feature has not been set to Off.</i> <i>Are you using your phone in extreme temperatures?</i> At extreme hot or cold temperatures, battery performance is significantly reduced.
You can't cancel Call Forwarding or Call Barring	<i>Wait until you are in an area with good network coverage and try again.</i>
The  symbol is flashing	<i>There is not enough memory available to store another SMS message.</i> Use the Messages menu to delete one or more messages from either the received or outgoing message entries.
I can't make international calls	<i>Some Service Providers automatically bar the ability to make international calls.</i> Contact your Service Provider. <i>Have you included the relevant codes?</i> Press and hold the  key to display the international dialing prefix (+) and then enter the appropriate country code followed by the phone number.
You find your phone becoming warm during use	<i>You may notice this during long calls or during charging.</i> The heat is produced by the electronic components within your phone and is quite normal.

If your phone has your SIM card inside but the display says:	Check Card or Insert Card. Check that the SIM card has been inserted correctly. The contacts of the SIM card may be dirty. Turn the phone off, remove the SIM card and rub the gold chip on the card with a clean cloth. Replace the card in the phone. Card Blocked, Unregistered Card or Damaged Card, or Enter Special Code Now. Please contact your Service Provider.
You find your phone's prompts in a language other than your own	Press MENU, 2 Phone 4 APP, 6 Main Menu, OK. This will route you directly to the language selection submenu. Press the #> key until you see your preferred language. Press OK to select.



Regulations and Precautions

The U.S. Federal Communications Commission and the Canadian Department of Communications regulate PCS radiotelephone service in their respective countries. It is important for you, the PCS radiotelephone user, to observe the applicable regulations when operating your PCS phone in either country. In addition to these U.S. and Canadian federal regulations, you may also be bound by certain state, provincial, territorial, and local rules and regulations, as well as by your PCS carrier's tariff (the rates, terms, and conditions of its service). If you wish to use your PCS radiotelephone in both the U.S. and Canada, please consult with your service provider.

You should remember that your PCS phone is a radiotelephone, i.e., it combines both wireline technology, as used in your home or office telephone system, and radio technology and that the scope of regulations and precautions is therefore broader than the scope of regulations and precautions relating to wireline-only usage.

Some of the major points of consideration are set out in the following section. Please note, however, that this 'Regulations and Precautions' section does not constitute legal advice and is intended merely for general information purposes. If you have any specific questions, please contact your PCS Carrier (Service Provider).

License

If your home system is in the U.S., you do not require a separate license to operate your PCS radiotelephone. Obtaining a PCS telephone access number is sufficient to register you as a user. If your home system is in Canada, a separate license is required. Your carrier will assist you in the licensing process. If you wish to use your PCS telephone in both the U.S. and Canada, please contact your PCS Carrier (Service Provider).

Denial of Service

A PCS carrier may deny service temporarily or terminate service for violation of any governmental regulations or its tariff.

Magnetic Storage Media

Your phone contains a magnet. Do not place your phone in close proximity to magnetic storage media, such as diskettes or credit cards, for extended periods of time.

Driving

Some jurisdictions prohibit your using a cellular or PCS telephone while driving a vehicle. Even if your jurisdiction does not have such a law, we strongly suggest that, for safety reasons, the driver use extreme caution when operating the cellular or PCS telephone while the vehicle is in motion. (See the 'Safety' section for more information.)



Consumer Responsibilities

Remember that wireline and radio regulations with respect to harassing calls, false distress calls, obscene language, etc., apply to PCS phone usage.

Privacy

As a telephone user, you have come to assume a certain standard of privacy when you place or receive a telephone call via the traditional wireline systems. However, because PCS 1900 is a radiotelephone that utilizes radio transmissions to effect calls, the same standard cannot always be assured. While it is unlawful for any unauthorized person to divulge or use any information obtained from intercepting or 'listening in on' conversations intended for others, you should not assume that your conversation is completely secure. Commercially available scanning equipment can permit a third party to monitor the radio channels used for PCS telephone calls.

Interference

No person shall interfere with or cause interference to any radio communication or signal.

Equipment Modifications

Both the U.S. Federal Communications Commission and the Canadian Department of Communications have type approved the model of PCS radiotelephone which you have purchased, and both have allocated a specific frequency range for PCS service. No changes or adjustments are to be made to your PCS telephone.

Equipment Care

Your Motorola PCS radiotelephone is designed for superior durability under normal use conditions. Protect your PCS phone from water damage that could result from spills or excessive exposure to rain. Never submerge your PCS telephone.

Patent Information

Manufactured under one or more of the following U.S. patents

4121218	4127824	4128740	4138681	4193036	4254382
4302845	4312074	4327319	4329666	4369516	4369522
4378603	4390963	4398265	4400584	Re.31470	4431977
4434461	4455534	4462098	4484153	4485486	4486624
4491972	4504834	D278708	4523155	4546329	4549311
4550426	4551696	4564821	D282169	4571595	4573017
4574243	4585957	4602218	D284759	4616314	4617520
4626309	4628529	4629829	4630304	4630305	4633141
4636593	4636741	4644351	D288432	4648125	4649543
D288683	4654655	4654867	4662691	4667333	4668917
4670747	4672502	4692726	4704588	D292578	4706036
D292920	4710724	4711361	4715063	4716319	4716391
4723305	D294257	4727306	4727583	4730195	4734635
4737976	4740794	4741018	4741034	4742562	D295627
D295975	4751737	4761621	4764737	D297734	D297735
D297736	4777564	Re.32768	4783697	D299232	4797929
4798975	4800348	4802236	4803726	4809356	4811377
4811404	4816774	4817157	4823098	D300742	D300827
4827226	4827507	4829274	4829543	4837534	4843621
4845772	4851966	4868576	4872196	4873683	4876552
4876740	D304189	4879533	4885553	4887050	4890199
D305427	4896124	4896361	4897873	D305717	4903327
D306163	4904549	4905288	4905301	D306299	4910470
4912602	4916262	4918403	4918732	4922209	4924194
4930126	D309301	D309451	4945570	4954796	4956854
4963812	4963843	4965537	4970475	4972355	4972432
4972455	4975808	4982108	4984219	4989230	D314173
4992753	4998289	D315330	D315543	5004992	5008925
5010309	5010570	5014294	5014346	D316859	5017856
5018188	5020076	5020091	5020092	5020093	5023580
5023866	5023911	5025387	5028859	5029233	5036532
5040127	5042071	5045824	5053924	5055800	5055802



5055803	5057762	5058136	5059885	5060264	5060294
5063340	5065408	5067139	5068625	5070310	5077757
5081674	5083304	5093632	D325028	5107487	5109536
5111162	5113400	5113436	5117441	5117449	5121047
5121288	5121412	5122722	D327062	5124889	5127040
5127042	5128834	5130682	5130683	5133010	5136135
5140286	5142551	5142696	5148471	5150075	5150359
5150384	5152006	5152007	5153590	5157693	5159283
5160898	5163159	5164652	5166596	5166642	5170173
5170492	5173672	5175759	5175874	5177458	5182749
5185566	5187640	5187809	5192924	5193223	5195106
5195108	5198887	5200655	5201069	5202654	5203009
D334746	5204977	5205751	5208566	5210793	5211581
5212815	5212826	5214675	5214774	5220290	5222078
5222104	5222251	5224122	5230007	5230093	5233506
5233633	5235492	5237257	5237570	5239127	5239294
5241545	5241548	5241592	5241650	5241688	5241693
D338887	5242767	D339127	D339335	D339336	D339337
5247544	D339578	5249302	5250916	5251331	5253292
5255292	5257414	5259005	5260170	5260988	5261119
5262710	5263052	5263055	5265219	D341589	5271042
D342248	5276685	5276707	5276913	5278527	5278832
5278994	5280637	5280644	D343615	D343616	D343834
D343835	5287553	5287555	5287556	5289505	D344512
5297142	5299232	5301364	5301365	5308716	5312705
5321847	5323421	5325429	D348250	D348427	5327642
D348665	D348666	D348668	5331123	D349273	5336984
5338909	D350113	D350348	D350349	D350350	5349588
5351245	D351375	5359696	5361400	5363071	5365549
D352503	5366826	5367538	5367558	5371791	D353131
5373101	D353361	5375143	5375258	D353587	D353588
5379324	5384825	5392000	5392023	5396654	D356309
5402447	5404120	5404582	5406146	5406562	D357224
D357457	5410275	5414711	D358148	5420759	5424689
5428820	5428836	5430416	5432017	5434947	5436589

5436802	5438684	D361070	5444764	5446763	5448763
5448770	5448771	5453997	D362840	D362852	5461643
5463628	5465412	5469177	5475752	D365094	5477192
D365817	5486843	5487184	5488335	5490177	5493198
5493700	5493714	5495206	5497126	5497383	D367640
5499273	5504812	5506490	D368696	5508709	5510693
5511235	5513078	5513382	D369359	5513996	D369598
D369797	5519303	5519346	5519506	5519777	D370016
D370463	5526398	D370672	5530922	5539360	5542103
5542106	5544250	D372481	5546380	D372896	5551078
5555550	5559471	D374013	5561436	D374227	D374424
5565881	5570453	5572223	5572224	5577267	5577268
D375932	D375952				

Other patents pending.



Motorola Limited Warranty For The United States PCS Subscriber Radiotelephone Products

I. What this warranty covers and for how long:

Motorola Inc. (Motorola) warrants the Motorola PCS Subscriber radiotelephone products and accessories against defects in material and workmanship under normal use and service for a period of time specified by the product's serial number from the date of installation.

 *Installation in the case of radiotelephones, accessories or batteries that are not installed in a vehicle, means the date that the product is placed into subscriber service. Installation will be deemed no later than thirty (30) days from date of delivery of the product to you the owner.*

The warranty time period is specified by the last digit of the mechanical serial number found on each PCS product. Products sold under this warranty may have either a "P," "Y," "A," "B," "C," or "D" or nothing in the eleventh position of the serial number. If there is no letter or an "A," the product comes with a (1) one year warranty. Products that have a "D" have a (2) two year warranty. Products that have a "Y" or a (B) have a (3) three year warranty, and products that have a "P" or a "C" have a (5) five year warranty commencing from the date of installation. The warranty time period for the radiotelephone accessories and batteries is as follows:

PCS portable telephone batteries	1 year
Carrying cases	Defect free at time of shipment
Other radiotelephone accessories	1 year

Motorola, at its option, will, at no charge, either repair, replace, or refund the purchase price of the PCS Subscriber radiotelephone product during the warranty period, provided it is returned in accordance with the terms of this warranty to the Motorola National Service Center or Service Providers service shop qualified by Motorola. Repair, at Motorola's option, may include the replacement of parts or boards with functionally equivalent reconditioned or new parts or boards. Replaced parts or accessories,

batteries, or boards are warranted for the balance of the original time period. All returned accessories, batteries, parts and PCS telephone equipment shall become the property of Motorola.

II. Warranty Conditions;

This express limited warranty is extended by Motorola to the original subscriber buyer or lessee only and is not assignable or transferable to subsequent subscriber buyers or lessees. This is the complete warranty for PCS Subscriber Radiotelephone Products by Motorola, Motorola assumes no obligation or liability for additions or modifications to this warranty unless made in writing and signed by an officer of Motorola. Unless made in separate written agreement between Motorola and you, Motorola does not warrant the installation, maintenance or service of the equipment, accessories, batteries or parts. Rechargeable batteries are warranted only if battery capacity falls below 80% of rated capacity, or the battery develops leakage. This warranty becomes void for all types of batteries if:

- a.** the batteries are charged by other than Motorola approved battery charger specified for the charging of the battery.
- b.** any of the seals on the battery are broken or show evidence of tampering.
- c.** the battery is used in equipment or service other than the PCS radio telephone equipment for which it is specified.

Motorola cannot be held responsible in any way for any ancillary equipment not furnished by Motorola which is attached to or used in connection with Motorola's PCS Subscriber Radiotelephone Products, or for operation of our equipment with any ancillary equipment and all such equipment is expressly excluded from this warranty. Furthermore, Motorola cannot be responsible for any damage to Motorola equipment resulting from the use of ancillary equipment not furnished by Motorola for use with PCS subscriber equipment.



When the product is used in conjunction with ancillary or peripheral equipment not manufactured by Motorola, Motorola does not warrant the operation of the product /peripheral combination, and Motorola will honor no warranty claim where the product is used in such a combination and it is determined by Motorola that there is no fault with the Motorola product. Motorola specifically disclaims any responsibility for any damage caused in any way by the use of portable radiotelephone accessories and peripherals (specific examples include, but are not limited to: batteries, chargers, adapters, and power supplies) when such accessories and peripherals are not manufactured or supplied by Motorola, Motorola disclaims liability for range, coverage, availability, or operation of the PCS System which is provided by the Service Provider.

III What This Warranty Does Not Cover:

- a.** Defects or damage resulting from use of the product in other than its normal and customary manner,
- b.** Defects or damage from misuse, accident or neglect.
- c.** Defects or damage from improper testing, operation, maintenance, installation, adjustment, or any alteration or modification of any kind.
- d.** Breakage or damage to antennas unless caused directly by defects in material or workmanship.
- e.** Products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.
- f.** Products which have had the serial number removed or made illegible.
- g.** Defects or damage due to spills of food or liquid.
- h.** All plastic surfaces and all externally exposed part that are scratched or damaged due to customer normal use.
- i.** Products rented on a month-to-month basis.
- j.** The portable phone keypad assembly and displays are not covered after the first year.

IV How To Get Warranty Service:

To receive warranty service, present your equipment to the facility described below, along with your bill of sale or comparable substitute proof of sale or lease bearing the date of purchase, transceiver serial number, and place of purchase or installation if applicable.

Warranty service is available by returning Motorola branded Radiotelephone Products to a Motorola Service Center, authorized in writing by a Motorola Area Service Manager to perform warranty work on Motorola PCS Subscriber Radiotelephone Products. A Carrier or Distributor branded Radiotelephone Product may be returned to either

- a.** the specific service shop qualified by Motorola's National Service Center in writing and operated by or affiliated with the PCS Service Provider, or
- b.** a Motorola Authorized PCS Service Center.

In most cases the service shop which sold your PCS Radiotelephone and accessories will provide warranty service. If you need additional information, contact that shop, the customer service department of your Service Provider, or Motorola at the address at the end of this document.

The unit or accessories, together with any detachable parts such as antennas, battery packs, and chargers, must be delivered to a qualified Motorola Service Center, or a Motorola -qualified service shop, transportation and insurance prepaid. When sent or brought to the servicer, the Radiotelephone Product must be accompanied by your name, address, and telephone number, name of Service Provider, and a description of the problem.



V General Provisions:

This warranty sets forth our responsibilities regarding this product. Repair, replacement or refund of the purchase price at Motorola's option, is your exclusive remedy. This warranty is given in lieu of all other express warranties, implied warranties, including without limitation implied warranties of merchantability and fitness for a particular purpose, are limited to the duration of this limited warranty. Further, as the Service Provider is not controlled by Motorola, no warranty is made as to coverage, availability or grade of service provided by the Service Provider. In no event shall Motorola be liable for damages in excess of the purchase price of the PCS radiotelephone product, for any loss of use, loss of time, inconvenience, commercial loss, lost profit or savings or other incidental, special or consequential damages arising out of the use or inability to use such product, to the full extent such may be disclaimed by law.

VI. Patent And Software Provisions:

Motorola will defend at its own expense, any suit brought against you to the extent that it is based on a claim that the PCS Subscriber Radiotelephone Product parts infringes a United States patent, and Motorola will pay those cost and damages finally awarded against you in any such suit which are attributable to any such claim, but such defense and payments are conditioned on the following

- i. that Motorola will be notified promptly in writing by you of any notice of such claim; and
- ii. that Motorola will have sole control of the defense of such suit and all negotiation for its settlement or compromise: and
- iii. should the Radiotelephone, accessory, battery or parts become, or in Motorola's opinion be likely to become the subject of a claim of infringement of a United States Patent that you will permit Motorola, at its option and expense, either to procure for you the right to continue using the PCS Radiotelephone or parts or to replace or modify the same so that it becomes non-infringing or to grant you a credit for such PCS Radiotelephone or parts as depreciated and accept its return. The depreciation will be an equal amount per year over the lifetime of the

PCS Subscriber Radiotelephone, accessories, battery or parts as established by Motorola.

Motorola will have no liability to you with respect to any claim of patent infringement which is based upon the combination of the PCS Radiotelephone or parts furnished hereunder with software, apparatus or devices not furnished by Motorola which is attached to or used in connection with the PCS Radiotelephone; nor will Motorola have any liability for the use of ancillary equipment or software not furnished by Motorola. The foregoing states the entire liability of Motorola with respect to infringement of patents by the PCS Radiotelephone, accessories, batteries or any parts thereof.

Laws in the United States and other countries preserve for Motorola certain exclusive rights for copyrighted Motorola software such as the exclusive rights to reproduce in copies and distribute copies of such Motorola software. Motorola software may be copied into, used in and redistributed with only the PCS Subscriber Radiotelephone Product associated with such Motorola software. No other use, including without limitation disassembly, of such Motorola software or exercise of exclusive rights in such Motorola software is permitted.

VII. State Law Rights:

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.





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